

Search history

Search 1: SFT=("Flexible pouch" and "microcapillary strip" and "flexibes film*") and PD<20160624 (Results 0)
Search 2: SFT=("Flexible pouch" and "microcapillary strip" and "flexibes film*") and PD<20150629 (Results 0)
Search 3: SFT=(Flexible and pouch and container and microcapillary and flexibes and film*) and PD<20150629 (Results 0)
Search 4: SFT=(Flexible and pouch and container and microcapillary and film*) and PD<20150629 (Results 27)

1) Family number: 57563050 (US2014303077A)

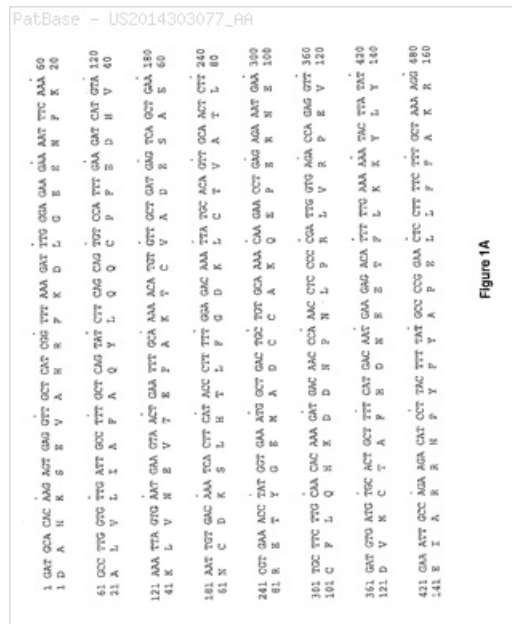
© PatBase

Title:	ALBUMIN FUSION PROTEINS															
Priority:	US20010341811P 20011221 US20020359370P 20020226 US20020370227P 20020408 US20020383123P 20020528 US20020398008P 20020724 US20020411426P 20020918 US20020417611P 20021011 WO2002US40891 20021223 US20070783419 20070409 US20130929310 20130627	US20020350358P 20020124 US20020360000P 20020228 US20020378950P 20020510 US20020385708P 20020605 US20020402131P 20020809 US20020411355P 20020918 US20020420246P 20021023 US20040775204 20040211 US20100836447 20100714	US20020351360P 20020128 US20020367500P 20020327 US20020382617P 20020524 US20020394625P 20020710 US20020402708P 20020813 US20020414984P 20021002 US20020423623P 20021105 US20060429373 20060508 US20110078827 20110401													
Family:	<table><tr><th>Publication number</th><th>Publication date</th><th>Application number</th><th>Application date</th></tr><tr><td>US2014303077 AA</td><td>20141009</td><td>US20130929310</td><td>20130627</td></tr><tr><td>US8993517 BB</td><td>20150331</td><td>US20130929310</td><td>20130627</td></tr></table>				Publication number	Publication date	Application number	Application date	US2014303077 AA	20141009	US20130929310	20130627	US8993517 BB	20150331	US20130929310	20130627
Publication number	Publication date	Application number	Application date													
US2014303077 AA	20141009	US20130929310	20130627													
US8993517 BB	20150331	US20130929310	20130627													
Probable Assignee:	HUMAN GENOME SCIENCES INC															
Assignee(s):(std):	HUMAN GENOME SCIENCES INC															
Inventor(s):(std):	RUBEN STEVEN M ; ROSEN CRAIG A ; HASELTINE WILLIAM A															
Agent(s):	ANDREA V ; WILLIAM T															
International class (IPC 8-9):	A61K31/155 A61K31/426 A61K31/4439 A61K31/4965 A61K38/00 A61K38/04 A61K38/17 A61K38/28 A61K38/31 A61K39/395 A61K47/48 A61P13/12 A61P19/06 A61P3/10 A61P35/00 A61P7/06 C07H21/04 C07K14/00 C07K14/47 C07K14/505 C07K14/575 C07K14/62 C07K14/635 C07K14/76 C07K14/765 C07K19/00 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N15/62 C12N5/10 C12P21/04 (Advanced/Invention)															
CPC:	A61K38/28 A61K31/4965 A61K31/426 A61K31/4439 A61K38/04 A61K38/17 C07K14/4713 C07K14/505 C07K14/57563 C07K14/635 C07K2319/00 C07K2319/20 C07K2319/31 C12N15/62 C12N2501/335 C07K14/765 A61K31/155 C07K14/435 C07K14/665 C07K14/705 C07K14/82 C12N9/0006 C12Y101/01105 A61K38/00 C07K7/06 C07K14/555 C07K16/241 C07K2317/622 C07K2317/76 C12N9/0008 C12Y102/01 C07K14/4723 C07K14/475 C07K14/50 C07K14/51 C07K14/521 C07K14/525 C07K14/535 C07K14/54 C07K14/5406 C07K14/55 C07K14/56 C07K14/565 C07K14/575 C07K14/5759 C07K14/585 C07K14/60 C07K14/605 C07K14/61 C07K14/62 C07K14/655 C07K16/26 A61K39/21 C07K14/59 C07K14/65 C07K14/7151 C07K16/00 C07K2319/30 C12N7/00 C12N2740/16134 C12N2740/16171 C12Y207/01095 C07K14/005 C12N2740/16111 C12N2740/16122															
US class:	514/6.5 514/6.7 514/6.8 514/6.9 514/7.2															
Classification Explorer																
Cited documents:	WO9966054, WO9964061 A1, WO9964060 A1, WO9959621 A1, WO9953064 A2, WO9947161 A1, WO9947160 A1, WO9943706 A1, WO9940788 A1, WO9930731 A1, WO9929336 A1, WO9928346 A1, WO9915194 A1, WO9915193, WO9913914, WO9911781 A1, WO9900504, WO9847489 A1, WO9836085, WO9832867 A1, WO9820895 A1, WO9819698 A1, WO9811136 A1, WO9808873 A1, WO9808531 A1, WO9804718, WO9800158 A1, WO9749729 A1, WO9739132, WO9734997, WO9731943 A1, WO9726321 A2, WO9724445, WO9715296 A1, WO9707814 A1, WO9620005 A1, WO9618412, WO9617942 A1, WO9617941 A2, WO9614416, WO9614409, WO9608512, WO9603144 A1, WO9531214 A1, WO9530759, WO9527059, WO9523857, WO9517510 A1, WO9516708 A1, WO9512684 A1, WO9505848 A1, WO9505465 A1, WO9503405 A2, WO9425489, WO9424160 A2, WO9419373 A1, WO9403198, WO9325579 A1, WO9318786 A1, WO9318785 A1, WO9315211, WO9315200, WO9315199, WO9303164, WO9300437, WO9300109 A1, WO9201055 A1, WO9111457 A1, WO9108220, WO9105052 A1, WO9102754, WO9013653, WO9011296 A1, WO9004788, WO9001540 A1, WO9001063 A1, WO8902922, WO8703887, WO8503079 A1, WO8302461 A1, WO8202715 A1, WO07021494 A2, WO05077042, WO05003296, WO05000892, WO03076567 A2, WO03060071 A2, WO03059934, WO03030821 A2, WO03018516 A2, WO03014318 A2, WO03013573 A1, WO03011892 A2, WO03003971 A2, WO03002136 A2, WO0248192 A2, WO0247716 A2, WO0246227 A2, WO0245712 A1, WO0222151 A2, WO02098348 A2, WO02097038 A3, WO02085406 A1, WO02080676 A1, WO02070549 A2, WO02069994 A2, WO02066062 A2, WO0198331 A2, WO0187322 A2, WO0181405 A2, WO0179271 A1, WO0179258 A1, WO0177137, WO0168112 A2, WO0157084 A1, WO0155213 A2, WO0151093 A2, WO0139784 A1, WO0136489 A2, WO0132200 A1, WO0130320 A1, WO0129242 A2, WO0127128 A1, WO0121602 A1, WO0105826 A2, WO0102017 A2, WO0078333 A2, WO0077039 A2, WO0069913 A1, WO0069911 A1, WO0066142 A2, WO0066138 A2, WO0062759 A1, WO0044772, WO0037098 A1, WO0037051 A1, WO0032772 A2, WO0026354 A1, WO0024893 A3, WO0024893 A2, WO0023459, WO0016797 A2, WO0012116 A1, WO0009666 A2, WO0007617 A1, WO0004171, WO0001727 A1, USRE37302 E, US7592010 BB, US7569384 BB, US7482013 BB, US7271149 BB, US7238667 BB, US7189690 BB, US7141547 BB, US7041478 BB, US6994857 BB, US6989365 BB, US6987006 BB, US6972322 BB, US6946134 BA, US6926898 BB, US6905688 BB, US6686179 BB, US6610830 BA, US6583111 BA, US6569832 BA, US6514500 BA, US6482613 BA, US6472373 BA, US6461605 BA, US6448225 BB, US6387365 BA, US6348327 BA, US6348192 BA, US6346543 BA, US6340742 BA, US6329336 BA, US6316224 BA, US6312665 BA, US6300065 BA, US6299872 BA, US6294153 BA, US6290987 BA, US6287588 BA, US6284727 BA, US6284725 BA, US6277819 BA, US6271200 BA, US6258377 BA, US6242479 BA, US6239167 BA, US6231882 BA, US6221958 BA, US6221378 BA, US6217893 BA, US6214863 BA, US6214547 BA, US6201072 BA, US6193997 BA, US6191102 BA, US6172046 B1,															

US6171828 B1, US6165470 A, US6153581 A, US6150337 A, US6150133 A, US6149911 A, US6133235 A, US6130248 A, US6124495 A, US6117949 A, US6114146 A, US6110970 A, US6110955 A, US6110891 A, US6110707 A, US6110703 A, US6087129 A, US6080877 A, US6071923 A, US6069135 A, US6063772 A, US6063373 A, US6054489 A, US6048724 A, US6045788 A, US6034221 A, US6031004 A, US6030961 A, US6017545 A, US6006753 A, US6004573 A, US5985850 A, US5981488 A, US5981485 A, US5981474 A, US5977318 A, US5977071 A, US5968510 A, US5965386 A, US5959075 A, US5952461 A, US5951996 A, US5948428 A, US5939455 A, US5932547 A, US5922761 A, US5922674 A, US5919815 A, US5919651 A, US5912229 A, US5908830 A, US5905143 A, US5889144 A, US5876969 A, US5863555 A, US5861406 A, US5856123 A, US5854018 A, US5849322 A, US5847004 A, US5846774 A, US5844095 A, US5840542 A, US5830452 A, US5824330 A, US5801190 A, US5795777 A, US5795746 A, US5788964 A, US5783423 A, US5780021 A, US5767097 A, US5766883 A, US5766620 A, US5763394 A, US5741815 A, US5739007 A, US5728707 A, US5728553 A, US5726038 A, US5714377 A, US5705363 A, US5702717 A, US5679777 A, US5668007 A, US5667986 A, US5665863 A, US5658568 A, US5646113 A, US5646012 A, US5641663 A, US5639642 A, US5637504 A, US5629286 A, US5625041 A, US5618698 A, US5618676 A, US5612196 A, US5602232 A, US5582822 A, US5574008 A, US5545618 A, US5521086 A, US5512549 A, US5508031 A, US5503993 A, US5460954 A, US5460811 A, US5459031 A, US5432082 A, US5409815 A, US5395922 A, US5380712 A, US5358709 A, US5336603 A, US5330971 A, US5322930 A, US5304473 A, US5302697 A, US5272070 A, US5260202 A, US5256410 A, US5230886 A, US5229109 A, US5223408 A, US5219565 A, US5208018 A, US5187261 A, US5128126 A, US5126129 A, US5116964 A, US5116944 A, US5106954 A, US5102872 A, US5100784 A, US5096885 A, US5096707 A, US5073627 A, US5071872 A, US5066489 A, US5061488 A, US5053389 A, US5045312 A, US5028422 A, US5015575 A, US5010003 A, US5002764 A, US4999339 A, US4970300 A, US4959314 A, US4929442 A, US4925919 A, US4916212 A, US4914027 A, US4914026 A, US4908434 A, US4908433 A, US4840934 A, US4835260 A, US4801575 A, US4792602 A, US4778879 A, US4775622 A, US4765980 A, US4751180 A, US4652525 A, US4499188 A, US4492684 A, US4462940 A, US4450103 A, US4447538 A, US4440859 A, US4407948 A, US4397840 A, US4366246 A, US4363877 A, US4342832 A, US4336248 A, US4283489 A, US4264731 A, US2010093627 AA, US2010048472 AA, US2009099073 AA, US2009093402 AA, US2008293629 AA, US2008213886 AA, US2008167240 AA, US2008167239 AA, US2008167238 AA, US2008161243 AA, US2008153751 AA, US2008146503 AA, US2007259815 AA, US2007244047 AA, US2007048282 AA, US2006276396 AA, US2006194735 AA, US2005266533 AA, US2005266532 AA, US2005244931 AA, US2005186664 AA, US2005100991 AA, US2005054051 AA, US2005048471 AA, US2005037022 AA, US2004171123 AA, US2004121426 AA, US2004086977 AA, US2004086976 AA, US2004063635 AA, US2004053370 AA, US2004018975 AA, US2004010134 AA, US2003219875 AA, US2003199043 AA, US2003171267 AA, US2003143191 AA, US2003125247 AA, US2003108568 AA, US2003108567 AA, US2003104578 AA, US2003082747 AA, US2003054554 AA, US2003036172 AA, US2003036171 AA, US2003036170 AA, US2003022308 AA, US2002193570 AA, US2002106719 AA, US2002048571 AA, US2002037841 AA, US2001046956 AA, US2001021767 AA, US2001014666 AA, US2001011071 AA, US2001006943 AA, US2001002394 AA, JP859509, JP853500, JP8051982, JP638771, JP6022784, JP5292972, JP4211375, JP327320, JP3201987, JP2227079, JP2117384, JP1117790, GB2350362 A1, GB2193631 A1, FR2719593, FR2635115, EP1317929 A2, EP1306092 A2, EP1213029 A1, EP1136075 B1, EP1125579 A2, EP1099441 A2, EP0956861 B1, EP0946191 B1, EP0903148 B1, EP0889949 B1, EP0771871 A2, EP0764209 B1, EP0751220 A1, EP0741188 A3, EP0741188 A2, EP0736303 B1, EP0734450 B1, EP0711835 A1, EP0658568 A1, EP0640619 B1, EP0624195, EP0619322 A2, EP0591524, EP0511912 A1, EP0510693 A2, EP0510678 A2, EP0509841 A2, EP0503583 A1, EP0427296 B1, EP0422697 B1, EP0416673 A1, EP0413622 B1, EP0401384 B1, EP0399666 B1, EP0395918 A2, EP0366400 A2, EP0364980 B1, EP0361991 A2, EP0347781 B1, EP0344459 A2, EP0339568 A1, EP0330451 A2, EP0325262 A2, EP0322094 A1, EP0319641 A1, EP0317254 B1, EP0314317 A1, EP0308381 A1, EP0301670 A1, EP0300466 B1, EP0267208 B1, EP0252561 A2, EP0244221 A1, EP0241435 B1, EP0241435 A2, EP0237545 B2, EP0237019 A2, EP0236210 A1, EP0231819 B1, EP0230980 B2, EP0230980 B1, EP0229016 B1, EP0222279 B1, EP0218825 B1, EP0217404 B1, EP0215658 A2, EP0209539 B1, EP0206733 A1, EP0205564 B2, EP0201239 B1, EP0201239 A1, EP0196056 B1, EP0195691 B1, EP0172619 A1, EP0169566 B2, EP0163529 B1, EP0163406 B1, EP0163406 A1, EP0147198 A3, EP0146413 A2, EP0146354 B2, EP0138437 A2, EP0123544 A2, EP0123294 A1, EP0121884 B1, EP0118617 B1, EP0116201 A1, EP0106179 B1, EP0091527 A2, EP0088632 A2, EP0079739 A2, EP0077670 B1, EP0073646 A2, EP0070906 A1, EP0068701 A2, EP0048970 A2, EP0041313 B1, EP0032134 A2, EP0028033 A2, EP0022242 B1, DE3723781 A1, DE19921537 A1, CN1239103 A, CN1235981 A, CA2309810 AA, CA2270320, CA2070781, CA2022539, CA1341211, AU741964 B2, AU704594,

Abstract:

The present invention encompasses albumin fusion proteins. Nucleic acid molecules encoding the albumin fusion proteins of the invention are also encompassed by the invention, as are vectors containing these nucleic acids, host cells transformed with these nucleic acids vectors, and methods of making the albumin fusion proteins of the invention and using these nucleic acids, vectors, and/or host cells. Additionally the present invention encompasses pharmaceutical compositions comprising albumin fusion proteins and methods of treating, preventing, or ameliorating diseases, disorders or conditions using albumin fusion proteins of the invention.



Title:	ALBUMIN FUSION PROTEINS			
Priority:	US20010341811P	20011221	US20020350358P	20020124
	US20020359370P	20020226	US20020360000P	20020228
	US20020370227P	20020408	US20020378950P	20020510
	US20020383123P	20020528	US20020385708P	20020605
	US20020398008P	20020724	US20020402131P	20020809
	US20020411426P	20020918	US20020411355P	20020918
	US20020417611P	20021011	US20020420246P	20021023
	WO2002US40891	20021223	US20040775204	20040211
	US20070783419	20070409	US20100836447	20100714
			US20020351360P	20020128
			US20020367500P	20020327
			US20020382617P	20020524

Family:	Publication number	Publication date	Application number	Application date
	US2013150296 AA	20130613	US20110078827	20110401
	US8513189 BB	20130820	US20110078827	20110401

Probable Assignee: HUMAN GENOME SCIENCES INC

Assignee(s):(std): HASELTINE WILLIAM A ; HUMAN GENOME SCIENCES INC ; ROSEN CRAIG A ; RUBEN STEVEN M

Inventor(s):(std): RUBEN STEVEN M ; ROSEN CRAIG A ; HASELTINE WILLIAM A

Agent(s): ANDREA V; WILLIAM T

International class (IPC 8-9): A61K38/00 A61K38/38 A61K39/395 A61K47/48 A61P13/12 A61P19/06 A61P3/10 A61P35/00 A61P7/06 C07H21/04 C07K14/47 C07K14/76 C07K14/765 C07K19/00 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N5/10 C12P21/04 (Advanced/Invention)

CPC: A61K31/426 A61K31/4439 A61K31/4965 A61K38/28 A61K38/04 A61K38/17 C07K14/4713 C07K14/505 C07K14/57563 C07K14/635 C07K2319/00 C07K2319/20 C07K2319/31 C12N15/62 C12N2501/335 C07K14/765 A61K31/155 C07K14/435 C07K14/665 C07K14/705 C07K14/82 C12N9/0006 C12Y101/01105 A61K38/00 C07K7/06 C07K14/555 C07K16/241 C07K2317/622 C07K2317/76 C12N9/0008 C12Y102/01 C07K14/4723 C07K14/475 C07K14/50 C07K14/51 C07K14/521 C07K14/525 C07K14/535 C07K14/54 C07K14/5406 C07K14/55 C07K14/56 C07K14/565 C07K14/575 C07K14/5759 C07K14/585 C07K14/60 C07K14/605 C07K14/61 C07K14/62 C07K14/655 C07K16/26 A61K39/21 C07K14/59 C07K14/65 C07K14/7151 C07K16/00 C07K2319/30 C12N7/00 C12N2740/16134 C12N2740/16171 C12Y207/01095 C07K14/005 C12N2740/16111 C12N2740/16122

US class: 514/11.7 514/15.2 514/6.9 530/362 530/363

[Classification Explorer](#)

Cited documents: WO9966054, WO9964061 A1, WO9964060 A1, WO9959621 A1, WO9953064 A2, WO9947161 A1, WO9947160 A1, WO9943706 A1, WO9940788 A1, WO9930731 A1, WO9929336 A1, WO9928346 A1, WO9915194 A1, WO9915193, WO9913914, WO9911781 A1, WO9900504, WO9847489 A1, WO9836085, WO9832867 A1, WO9820895 A1, WO9819698 A1, WO9811136 A1, WO9808873 A1, WO9808531 A1, WO9804718, WO9800158 A1, WO9749729 A1, WO9739132, WO9734997, WO9731943 A1, WO9726321 A2, WO9724445, WO9715296 A1, WO9707814 A1, WO9620005 A1, WO9618412, WO9617942 A1, WO9617941 A2, WO9614416, WO9614409, WO9608512, WO9603144 A1, WO9531214 A1, WO9530759, WO9527059, WO9523857, WO9517510 A1, WO9516708 A1, WO9512684 A1, WO9505848 A1, WO9505465 A1, WO9503405 A2, WO9425489, WO9424160 A2, WO9419373 A1, WO9403198, WO9325579 A1, WO9318786 A1, WO9318785 A1, WO9315211, WO9315200, WO9315199, WO9303164, WO9300437, WO9300109 A1, WO9201055 A1, WO9111457 A1, WO9108220, WO9105052 A1, WO9102754, WO9013653, WO9011296 A1, WO9004788, WO9001540 A1, WO9001063 A1, WO8902922, WO8703887, WO8503079 A1, WO8302461 A1, WO8202715 A1, WO08019143 A3, WO07021494 A2, WO06110887 A2, WO06073890 A2, WO05077042, WO05003296, WO05000892, WO03084563 A1, WO03076567 A2, WO03060071 A2, WO03059934, WO03030821 A2, WO03018516 A2, WO03014318 A2, WO03013573 A1, WO03011892 A2, WO03003971 A2, WO03002136 A2, WO0248192 A2, WO0247716 A2, WO0246227 A2, WO0245712 A1, WO0222151 A2, WO02098348 A2, WO02097038 A3, WO02085406 A1, WO02080676 A1, WO02070549 A2, WO02069994 A2, WO02066062 A2, WO0198331 A2, WO0187322 A2, WO0181405 A2, WO0179271 A1, WO0179258 A1, WO0177137, WO0168112 A2, WO0157084 A1, WO0155213 A2, WO0151093 A2, WO0139784 A1, WO0136489 A2, WO0132200 A1, WO0130320 A1, WO0129242 A2, WO0127128 A1, WO0121602 A1, WO0105826 A2, WO0102017 A2, WO0078333 A2, WO0077039 A2, WO0069913 A1, WO0069911 A1, WO0066629, WO0066142 A2, WO0066138 A2, WO0062759 A1, WO0044772, WO0037098 A1, WO0037051 A1, WO0032772 A2, WO0026354 A1, WO0024893 A3, WO0024893 A2, WO0023459, WO0016797 A2, WO0012116 A1, WO0009666 A2, WO0007617 A1, WO0004171, WO0001727 A1, USRE37302 E, US7888314 BB, US7592010 BB, US7569384 BB, US7482013 BB, US7271149 BB, US7238667 BB, US7189690 BB, US7141547 BB, US7101843 BB, US7041478 BB, US6994857 BB, US6989365 BB, US6987006 BB, US6972322 BB, US6946134 BA, US6926898 BB, US6905688 BB, US6894024 BB, US6747006 BB, US6706689 BB, US6686179 BB, US6610830 BA, US6583111 BA, US6569832 BA, US6514500 BA, US6482613 BA, US6472373 BA, US6461605 BA, US6448225 BB, US6387365 BA, US6348327 BA, US6348192 BA, US6346543 BA, US6340742 BA, US6329336 BA, US6316224 BA, US6312665 BA, US6300065 BA, US6299872 BA, US6294153 BA, US6290987 BA, US6287588 BA, US6284727 BA, US6284725 BA, US6277819 BA, US6271200 BA, US62598377 BA, US6242479 BA, US6239167 BA, US6231882 BA, US6221958 BA, US6221378 BA, US6217893 BA, US6214863 BA, US6214547 BA, US6201072 BA, US6193997 BA, US6191102 BA, US6172046 B1, US6171828 B1, US6165470 A, US6153581 A, US6150337 A, US6150133 A, US6149911 A, US6133235 A, US6130248 A, US6124495 A, US6117949 A, US6114146 A, US6110970 A, US6110955 A, US6110891 A, US6110707 A, US6110703 A, US6087129 A, US6080877 A, US6071923 A, US6069135 A, US6063772 A, US6063373 A, US6054489 A, US6048724 A, US6045788 A, US6034221 A, US6031004 A, US6030961 A, US6017545 A, US6006753 A, US6004573 A, US5985850 A, US5981488 A, US5981485 A, US5981474 A, US5977318 A, US5977071 A, US5968510 A, US5965386 A, US5959075 A, US5952461 A, US5951996 A, US5948428 A, US5939455 A, US5932547 A, US5922761 A, US5922674 A, US5919815 A, US5919651 A, US5912229 A, US5908830 A, US5905143 A, US5889144 A, US5876969 A, US5863555 A, US5861406 A, US5856123 A, US5854018 A, US5849322 A, US5847004 A, US5846774 A, US5844095 A, US5840542 A, US5830452 A, US5824330 A, US5801190 A, US5795777 A, US5795746 A, US5788964 A, US5783423 A, US5780021 A, US5767097 A, US5766883 A, US5766620 A, US5763394 A, US5741815 A, US5739007 A, US5728707 A, US5728553 A, US5726038 A, US5714377 A, US5705363 A, US5702717 A, US5679777 A, US5668007 A, US5667986 A, US5665863 A, US5658568 A, US5646113 A, US5646012 A, US5641663 A, US5639642 A, US5637504 A, US5629286 A, US5625041 A, US5618698 A, US5618676 A, US5612196 A, US5602232 A, US5582822 A, US5574008 A, US5545618 A, US5521086 A, US5512549 A, US5508031 A, US5503993 A, US5460954 A, US5460811 A, US5459031 A, US5432082 A, US5409815 A, US5395922 A, US5380712 A, US5358709 A, US5336603 A, US5330971 A, US5322930 A, US5304473 A, US5302697 A, US5272070 A, US5260202 A, US5256410 A, US5230886 A, US5229109 A, US5223408 A, US5219565 A, US5208018 A, US5187261 A, US5128126 A, US5126129 A, US5116964 A, US5116944 A, US5106954 A, US5102872 A, US5100784 A, US5096885 A, US5096707 A, US5073627 A, US5071872 A, US5066489 A, US5061488 A, US5053389 A, US5045312 A, US5028422 A, US5015575 A, US5010003 A, US5002764 A, US4999339 A, US4970300 A, US4959314 A, US4929442 A, US4925919 A, US4916212 A, US4914027 A, US4914026 A, US4908434 A, US4908433 A, US4840934 A, US4835260 A, US4801575 A, US4792602 A, US4778879 A, US4775622 A, US4765980 A, US4751180 A, US4652525 A, US4499188 A, US4492684 A, US4462940 A, US4450103 A, US4447538 A, US4440859 A, US4407948 A, US4397840 A, US4366246 A, US4363877 A, US4342832 A,

US2015290643 AA	20151015	US20130428261	20130913
WO14041364 A1	20140320	WO2013GB52404	20130913

Probable Assignee: CARCLO TECHNICAL PLASTICS LTD

Assignee(s):(std): CARCLO TECHNICAL PLASTICS LTD

Assignee(s): HILTON JILL PETA ; RUDELL CAROLYN JENNIFER ; CARCLO TECHNICAL PLASTICS LIMITED

Inventor(s):(std): HILTON JILL PETA ; RUDELL CAROLYN JENNIFER

Inventor(s): JILL PETA HILTON ; RUDELL CAROLYN ; CAROLYN JENNIFER RUDELL ; HILTON JILL

Agent(s): FISHER ADAMS KELLY PTY LTD; FISHER ADAMS KELLY CALLINANS; SPRUSON AND FERGUSON; BORDEN LADNER GERVAIS LLP; SHAH PUNITA; HARRISON GODDARD FOOTE LLP

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8-9): B01L3/00 G01N1/00 G01N33/48 G01N35/10 (Advanced/Invention)

CPC: B01L2200/0605 B01L2200/0684 B01L2200/12 B01L2200/16 B01L2300/045 B01L2300/047 B01L2300/049 B01L2300/0672 B01L2300/0816 B01L2300/0864 B01L2300/0883 B01L2300/123 B01L2400/0644 B01L2400/0688 B01L2400/0694 B01L2400/086 B01L3/5027 G01N33/48 B01L3/502715 B01L2200/027 B01L2300/0877 B01L2200/0689 B01L2300/0867 B01L2400/0406 B01L3/502723 B01L3/502738

US class: 422/507 436/180

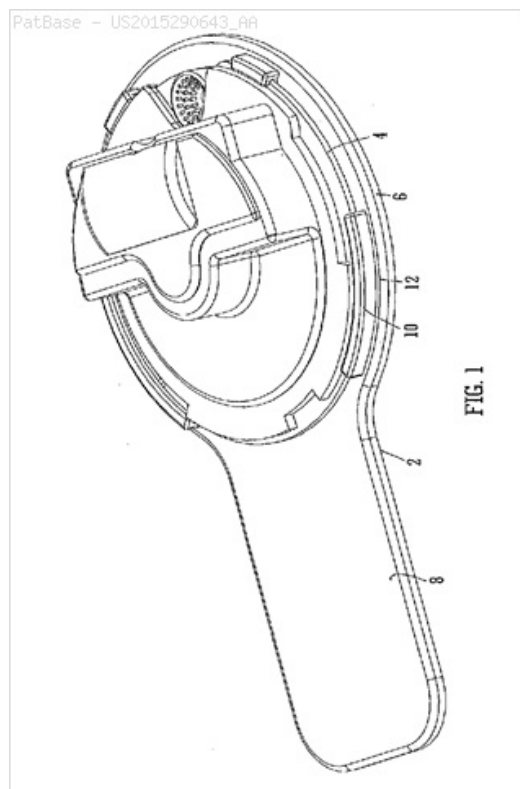
[Classification Explorer](#)

Cited documents: WO12123753 A1, WO06042838 A1, WO02083310 A2, US2013344617 AA, US2012024083 AA, US2011120562 AA, US2005054078 AA, EP1419818 A1, EP1120164 A2,

Forward Citations: WO17061619, WO15193194, WO15173097, US9808801, US10086373, KR20160137633, KR101869184, JP6450615, JP2016045186, EP2944965, CN107076768, CN106413895, CN106413895, CN105689029, CN105689029,

Abstract:

A sample metering device for a liquid sample comprises at least one capillary passage (1) with a first inlet (20) for receiving sample, and an outlet (5, 5', 7, 7'); a side passage (3,3') extending from the capillary passage part way along the length thereof and leading to the outlet (5, 5', 7, 7'); and a second inlet (32) located between the first inlet (3,3') and intersection with the side passage. A fluid application region (18) for receiving a liquid sample to be tested is provided for entry to the capillary passage (1) via the first inlet (20), and a second fluid application region (29) is provided for entry of fluid such as chase buffer to the capillary passage (1). The second inlet (32) prevents any excess sample in the well (18) entering the capillary passage (1) when chase buffer is applied.



4) Family number: 44868306 (US2010112723A)

© PatBase

Title: MICROFLUIDIC APPARATUS AND METHODS FOR PERFORMING BLOOD TYPING AND CROSSMATCHING

Priority: US20080102694P 20081003 US20090228700P 20090727 EP20090743983 20091002
US20090572968 20091002 WO2009US59444 20091002 US20120660834 20121025
US20150830539 20150819

Family:	Publication number	Publication date	Application number	Application date
	DE602009035599 D1	20160218	DE200960035599T	20091002
	EP2349566 A1	20110803	EP20090743983	20091002
	EP2349566 B1	20160106	EP20090743983	20091002
	US2010112723 AA	20100506	US20090572968	20091002
	US2013142708 AA	20130606	US20120660834	20121025

US2016209431 AA	20160721	US20150830539	20150819
US8318439 BB	20121127	US20090572968	20091002
US9146246 BB	20150929	US20120660834	20121025
US10107797 BB	20181023	US20150830539	20150819
WO10040103 A1	20100408	WO2009US59444	20091002

Probable Assignee: MICRONICS INC

Assignee(s):(std): BATTRELL C FREDERICK ; CAPODANNO JASON ; CLEMMENS JOHN ; ELMUFDI CAROLINA ; MICRONICS INC ; WILLIFORD JOHN R ; SPRAGUE ISAAC ; WIERZBICKI DIANE

Assignee(s): MICRONICS INC REDMOND ; BATTRELL C

Inventor(s):(std): BATTRELL C FREDERICK ; CAPODANNO JASON ; CLEMMENS JOHN ; ELMUFDI CAROLINA ; SPRAGUE ISAAC ; WIERZBICKI DIANE ; WILLIFORD JOHN R

Inventor(s): BATTRELL C

Agent(s): GRUENECKER PATENT U RECHTSANWAELTE PARTG MBB; GRUENECKER KINKELDEY STOCKMAIR AND SCHWANHAUSSER ANWALTSSOZIETAET; GRUENECKER PATENT U RECHTSANWAELTE PARTG MBB; SEED INTELLECTUAL PROPERTY LAW GROUP PLLC; SEED IP LAW GROUP PLLC; SEED INTELLECTUAL PROPERTY LAW GROUP LLP; WAGNER EMILY W ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY NZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8-9): B01L3/00 B81B7/00 G01N33/48 G01N33/50 G01N33/53 G01N33/566 G01N33/80 (Advanced/Invention); B01L3/00 B81B7/00 G01N33/48 G01N33/50 G01N33/566 G01N33/80 (Core/Invention)

CPC: B01L3/502761 B01L3/502776 B01L2200/0636 B01L2300/0816 B01L2300/0887 B01L2300/161 G01N33/5304 B01L3/50273 B01L3/502738 B01L3/502715 B01L3/502746 B01L2300/0867 B01L2300/0627 G01N33/53 G01N33/80

European class: B01L3/5027J2 G01N33/53B2 L01L200/06G L01L3/5027H L01L300/08B4 L01L300/08F L01L300/16A

US class: 1/1 422/400 422/400S 422/430 422/505 422/507 422/58 422/58S 422/61 422/61S 422/68.1 422/68.100S 422/73 422/73S 424/93.7 435/286.5 435/286.7 435/287.1 435/7.1 435/7.25 436/501 436/501P

[Classification Explorer](#)

Cited documents: WO9922858 A1, WO9917100 A1, WO9748779 A1, WO9747390 A1, WO9739338 A1, WO9702357 A1, WO9614934 A1, WO9325889 A1, WO9009596 A1, WO14182844 A1, WO10040103 A1, WO06009724 A2, WO05090970 A1, WO05083025 A1, WO04093786 A2, WO04065930 A2, WO0300786, WO03000786 A2, WO0175415 A2, WO0168238 A2, WO0126813 A2, WO0113127 A1, WO0110565 A1, WO0056828 A1, WO0022436 A1, US9146246 BB, US8697009 BB, US8557198 BB, US8318439 BB, US8318109 BB, US7955836 BB, US7618590 BB, US7467928 BB, US7419638 BB, US7416892 BB, US7378451 BB, US7312085 BB, US7241421 BB, US7226562 BB, US6933109 BB, US6852284 BA, US6752966 BA, US6743399 BA, US6706836 BA, US6581899 BB, US6488896 BB, US6451610 BA, US6432212 BA, US6431212 BA, US6409832 BB, US6297061 BA, US6239228 BA, US6136272 A, US6121508 A, US6114179 A, US6040193 A, US6040048 A, US6007775 A, US6001307 A, US5985990 A, US5974867 A, US5972710 A, US5932100 A, US5928880 A, US5922210 A, US5905028 A, US5863502 A, US5830411 A, US5795543 A, US5788927 A, US5731212 A, US5716852 A, US5702953 A, US5685758 A, US5660178 A, US5614598 A, US5565366 A, US5552064 A, US5508313 A, US5489624 A, US5478751 A, US5387526 A, US5354815 A, US5338689 A, US5273684 A, US5231035 A, US5225163 A, US5147607 A, US5140161 A, US4952516 A, US4945039 A, US4894146 A, US4756884 A, US4477575 A, US4387183 A, US3799742 A, US3686355 A, US3640267 A, US2770572 A, US2014370581 AA, US2010167384 AA, US2009022624 AA, US2008145280 AA, US2008085551 AA, US2008056953 AA, US2007280856 AA, US2007248983 AA, US2007183935 AA, US2007166199 AA, US2007077610 AA, US2007003447 AA, US2006245978 AA, US2006105402 AA, US2006099413 AA, US2006099116 AA, US2006094119 AA, US2005129581 AA, US2005084421 AA, US2005041525 AA, US2005013732 AA, US2004265171 AA, US2004242770 AA, US2004241051 AA, US2004224425 AA, US2004129678 AA, US2004115838 AA, US2004115831 AA, US2004065930 AA, US2003185713 AA, US2003124623 AA, US2003013203 AA, US2002164816 AA, US2002155010 AA, US2002148992 AA, US2002081569 AA, US2002037499 AA, US2002022261 AA, US2001046453 AA, US2001027745 AA, TW590982 B, JP9509498 T2, JP7506431 T2, JP7506430 T2, JP7506258 T2, JP6094722 A2, JP2003220897 A2, JP2002371955 A2, JP2002017861 A2, JP11512645 T2, JP11509094 T2, JP11508182 T2, JP10132712 A2, EP1263533 B1, EP1240945 A2, EP1203959 A1, EP0869979 B1, EP0869979, EP0456699 B1, EP0456699, EP0039195 B1, EP0039195,

Forward Citations: WO18151724, WO18122174, WO18102783, WO18067965, WO18060973, WO16093999, WO15191406, WO15092611, WO14182844, WO14167496, WO14159834, WO14083496, WO13106458, WO13053039, WO12061317, USD817511, USD804682, USD803416, US9994805, US9977037, US9962693, US9957553, US9895692, US9829451, US9808803, US9719892, US9682378, US9625465, US9598722, US9597685, US9517467, US9498778, US9475042, US9468894, US9453613, US9415389, US9410663, US9347595, US9222623, US9213043, US9146246, US9081001, US9075042, US9056291, US8807879, US8784012, US8318439, US2017307586, US2016067709, US2015314283, US2015153367, US2015031052, US2014363827, US2014301915, US2014148358, US2013011210, US2012301908, US2012100521, US2011301535, US10190153, US10107797, US10087440, US10072239, US10065186, US10048246, US10029041, US10005080, TWI546538, KR20150125722, KR101632886, ITNA20100051, EP3154666, EP3025781, EP3025781, EP2994750, EP2972332, CN106573201, CN105026931, CN104853845, CN101907631,

Abstract:
Microfluidic cartridges for agglutination reactions are provided. The cartridges include a microfluidic reaction channel with at least two intake channels, one for an antigen-containing fluid and the other for an antibody-containing fluid, conjoined to a reaction channel modified by incorporation of a downstream flow control channel. At low Reynolds Number, the two input streams layer one on top of the other in the reaction channel and form a flowing, unmixed horizontally-stratified laminar fluid diffusion (HLFD) interface for an extended duration of reaction. Surprisingly, the design, surface properties, and flow regime of microfluidic circuits of the present invention potentiate detection of antibody mediated agglutination at the stratified interface. Antigen:antibody reactions involving agglutination potentiated by these devices are useful in blood typing, in crossmatching for blood transfusion, and in immunodiagnostic agglutination assays, for example.

JP2003513610 T2	20030415	JP20000605608T	20000308
JP2003514510 T2	20030422	JP20000605738T	20000308
JP2003514511 T2	20030422	JP20000605768T	20000308
JP2004508001 T2	20040318	JP20000605767T	20000308
US2002039764 AA	20020404	US20010925298	20010810
US2002044941 AA	20020418	US20010925302	20010810
US2002052308 AA	20020502	US20010925301	20010810
US2002055627 AA	20020509	US20010925299	20010810
US2002081659 AA	20020627	US20010925297	20010810
US2002151681 AA	20021017	US20010925300	20010810
US2003040617 A9	20030227	US20010925299	20010810
US2003054421 AA	20030320	US20020102806	20020322
US2003064072 A9	20030403	US20010925302	20010810
WO0055173 A1	20000921	WO2000US05881	20000308
WO0055174 A1	20000921	WO2000US05988	20000308
WO0055180 A2	20000921	WO2000US05918	20000308
WO0055180 A3	20010118	WO2000US05918	20000308
WO0055320 A1	20000921	WO2000US05989	20000308
WO0055350 A1	20000921	WO2000US05882	20000308
WO0055351 A1	20000921	WO2000US05883	20000308

Probable Assignee: HUMAN GENOME SCIENCES INC

Assignee(s):(std): CRAIG A ROSEN ; HUMAN GENOME SCIENCES INC ; ROSEN CRAIG A ; RUBEN STEVEN M

Inventor(s):(std): ROSEN CRAIG A ; RUBEN STEVEN M

Inventor(s): STEVEN M RUBEN ; CRAIG A ROSEN

Agent(s): MBM INTELLECTUAL PROPERTY LAW LLP

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CY CZ DE DK EE ES FI FR GA GB GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZW

International class (IPC 8-9): A01N43/04 A61K31/7088 A61K31/711 A61K35/76 A61K38/00 A61K38/17 A61K39/00 A61K39/395 A61K45/00 A61K48/00 A61P1/18 A61P13/08 A61P17/02 A61P25/00 A61P25/06 A61P27/02 A61P29/00 A61P31/00 A61P35/00 A61P9/00 A61P9/06 A61P9/10 A61P9/12 C07H21/02 C07H21/04 C07K14/47 C07K14/82 C07K16/18 C07K16/30 C07K16/32 C07K5/00 C07K5/04 C12N1/15 C12N1/19 C12N1/21 C12N15/00 C12N15/09 C12N15/12 C12N15/63 C12N15/66 C12N15/85 C12N5/02 C12N5/08 C12N5/10 C12P19/34 C12P21/00 C12P21/02 C12P21/04 C12P21/08 C12Q1/02 C12Q1/68 G01N33/15 G01N33/50 G01N33/53 G01N33/531 G01N33/566 G01N33/574 G01N33/577 G01N33/68 G01N37/00 (Advanced/Invention); A61K31/7088 A61K31/711 A61K38/00 A61K39/00 A61K39/395 A61K45/00 A61K48/00 A61P25/00 A61P29/00 A61P35/00 A61P9/00 C07K14/82 C07K16/18 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N15/12 C12N5/10 C12P21/00 C12P21/02 C12P21/08 C12Q1/02 C12Q1/68 G01N33/15 G01N33/50 G01N33/53 G01N33/531 G01N33/566 G01N33/574 G01N33/577 G01N33/68 G01N37/00 (Advanced/Non-invention); C07K14/435 (Core/Invention); A61K38/00 A61K39/00 A61K48/00 (Core/Non-invention)

International class (IPC 1-7): A01N37/18 A01N43/04 A61K31/00 A61K31/7088 A61K31/711 A61K35/76 A61K38/00 A61K38/17 A61K39/00 A61K39/395 A61K45/00 A61K48/00 A61P1/18 A61P13/08 A61P17/02 A61P25/00 A61P25/06 A61P27/02 A61P29/00 A61P31/00 A61P35/00 A61P9/00 A61P9/06 A61P9/10 A61P9/12 C07H21/02 C07H21/04 C07K14/00 C07K14/435 C07K14/47 C07K14/82 C07K16/00 C07K16/18 C07K16/30 C07K16/32 C07K17/00 C07K5/00 C07K5/04 C07K7/00 C12N1/15 C12N1/19 C12N1/21 C12N15/00 C12N15/09 C12N15/12 C12N15/63 C12N15/66 C12N15/70 C12N15/74 C12N15/85 C12N5/00 C12N5/02 C12N5/06 C12N5/08 C12N5/10 C12N9/00 C12P19/34 C12P21/00 C12P21/02 C12P21/04 C12P21/08 C12Q1/02 C12Q1/68 G01N33/15 G01N33/50 G01N33/53 G01N33/531 G01N33/566 G01N33/567 G01N33/574 G01N33/577 G01N33/68 G01N37/00

CPC: C07K14/4702 C07K14/4703 A61K38/00 A61K39/00 A61K48/00 A61K2039/53 C07K14/4748 C07K2319/00 C12N2799/026

European class: C07K14/47A1 C07K14/47A1A C07K14/47A34 K61K38/00 K61K39/00 K61K39/53 K61K48/00 M07K203/00 M07K203/02 M07K205/00 M07K207/00 M07K215/00 M07K319/00 M12N799/02A66

US class: 424/184.1 424/184.100P 435/183 435/183S 435/320.1 435/320.100S 435/325 435/325S 435/6 435/6.11 435/6.110S 435/6.14 435/6.140S 435/6.16 435/6.160S 435/69.1 435/69.100P 435/69.100S 435/69.3 435/69.300S 435/6S 435/7.1 435/7.100S 435/7.2 435/7.200S 435/7.23 435/7.230P 435/71 435/72 514/1 514/1P 514/2 514/44.00RS 514/44R 530/324 530/324S 530/35 530/350 530/350S 530/387.9 530/387.900S 536/23.1 536/23.100S 536/23.2 536/23.200S 536/23.5 536/23.500P 536/23.500S

[Classification Explorer](#)

Cited documents: US5783680 A, US2002090625 AA, US2002076735 AA,

Forward Citations: WO18223093, WO18065501, WO18031662, WO17214024, WO17205741, WO17201499, WO17170365, WO17170322, WO17165734, WO17089759, WO17068511, WO17064675, WO17059289, WO16090050, WO16040856, WO16040825, WO16037644, WO15132397, WO15095227, WO15095223, WO15095212, WO15023355, WO14159981, WO14154898, WO14140862, WO14140174, WO14079966, WO14057074, WO13171655, WO13130093, WO13068445, WO12155019, WO12074757, WO11156328, WO11130598, WO11056983, WO11031870, WO11031757, WO10130073, WO10129708, WO10129708, WO10070380, WO10070380, WO10028274, WO09148575, WO09114756, WO09114756, WO09091341, WO09090639, WO09090639, WO0908991, WO08156418, WO08095152, WO08095152, WO08054792, WO08052238, WO07089659, WO07066698, WO07028161, WO07028161, WO06097432, WO06097432, WO06076255, WO06056080, WO06014646, WO06014646, WO05124355, WO05118811, WO05115306, WO05115306, WO05112970, WO05112970, WO05051993, WO05046454, WO05046454, WO05040205, WO05024055, WO05024023, WO05016126, WO05016126, WO05014818, WO05014022, WO04111641, WO04111641, WO04078980, WO04074510, WO04065583, WO04065583, WO04038045, WO04038045, WO04031412, WO04031412, WO04024952, WO04020979, WO04018679, WO04005487, WO04005487, WO04002517, WO04000346, WO03102235, WO03102235, WO03102028, WO03100064, WO03087372, WO03087372, WO03082917, WO03066829, WO03066829, WO03060164, WO03059948, WO03050307, WO03046165, WO03042390, WO03035683, WO03033703, WO03033703, WO03029783, WO03029288, WO03029288, WO03027138, WO03018807, WO03016344, WO03016344, WO03014151, WO03009813, WO03009813, WO03008578, WO03008578, WO0250279, WO0250279, WO0248348, WO0248324, WO0246409, WO0246409, WO0244418, WO0244418, WO0238763, WO0236623, WO0236623, WO0233059, WO0231152, WO0231152, WO0224888, WO0224888, WO0220805, WO0220805, WO0216568, WO0216568, WO0216419, WO0216419, WO0216418, WO0216418, WO0212282, WO0212282, WO02103362, WO02103362, WO02103017, WO02097127, WO02097127, WO02090545, WO02090545, WO02088313, WO02088313, WO0208400, WO0208400, WO02081705, WO02081705, WO02080845, WO02080845, WO02077215, WO02068647, WO02068647, WO02064792, WO02064792,

WO02064741, WO02064741, WO0206460, WO0206460, WO02064169, WO0206312, WO0206312, WO02062994, WO02061062, WO02061062, WO02057566, WO02057449, WO02055985, WO02055985, WO02055702, WO02055702, WO02052269, WO02052269, WO0198332, WO0198332, WO0196546, WO0196546, WO0196389, WO0196389, WO0194380, WO0194380, WO0190353, WO0183781, WO0183781, WO0183524, WO0183524, WO0181584, WO0181584, WO0181363, WO0180879, WO0180879, WO0179466, WO0179466, WO0175076, WO0175076, WO0174859, WO0174859, WO0174851, WO0174851, WO0173043, WO0173043, WO0173022, WO0172826, WO0172826, WO0168853, WO0168853, WO0165259, WO0164910, WO0164910, WO0163293, WO0163293, WO0162791, WO0162791, WO0160859, WO0155300, WO0155300, WO0151515, WO0151515, WO0149719, WO0149719, WO0149716, WO0149716, WO0142472, WO0142472, WO0132926, WO0131012, WO0129072, WO0129072, US9963745, US9956299, US9952221, US9950078, US9944990, US9931415, US9931414, US9919056, US9919037, US9918702, US9909185, US9889207, US9885717, US9880168, US9856533, US9840540, US9809649, US9783795, US9738695, US9663561, US9605318, US9575072, US9567340, US9562049, US9545441, US9512234, US9494590, US9469684, US9446121, US9441262, US9408891, US9388215, US9377461, US9316639, US9279009, US9115400, US9114126, US9102745, US9096676, US8981051, US8868352, US8846341, US8846047, US8835171, US8828657, US8828356, US8822169, US8808985, US8795730, US8778633, US8759004, US8748170, US8748128, US8748112, US8741605, US8722045, US8716445, US8691947, US8691501, US8669050, US8637026, US8563684, US8551951, US8551790, US8535884, US8501912, US8501173, US8455217, US8440622, US8383767, US8329398, US8283441, US8257915, US8242074, US8236928, US8227589, US8222393, US8222393, US8221983, US8211436, US8206919, US8198094, US8188041, US8187817, US8168187, US8158420, US8153398, US8148343, US8148076, US8138141, US8124839, US8097697, US8071286, US8067152, US8066971, US8053232, US8053206, US8050869, US8034565, US8034557, US8034337, US8008265, US8008012, US8008003, US7998688, US7982015, US7981624, US7968688, US7968676, US7951375, US7943730, US7939261, US7930104, US7928212, US7927597, US7923544, US7910551, US7897569, US7893246, US7892828, US7888326, US7884084, US7879990, US7879570, US7879553, US7871769, US7868137, US7868136, US7863001, US7858304, US7851440, US7838531, US7838224, US7833721, US7833720, US7824685, US7816089, US7803546, US7795503, US7771968, US7767391, US7754210, US7750125, US7749959, US7741433, US7741043, US7741025, US7736654, US7727528, US7723033, US7718626, US7705120, US7704507, US7691965, US7691566, US7666607, US7655631, US7655461, US7645452, US7641905, US7632507, US7632500, US7629453, US7628989, US7622443, US7622251, US7605246, US7601826, US7598228, US7592149, US7587279, US7575928, US7572447, US7569345, US7566536, US7563882, US7560253, US7541428, US7538088, US7534429, US7526387, US7514209, US7510840, US7507532, US7504222, US7494793, US7488813, US7479555, US7470514, US7459539, US7445892, US7442777, US7432358, US7432064, US7431923, US7429452, US7419953, US7407660, US7402388, US7393637, US7385034, US7358350, US7358349, US7329734, US7326574, US7326529, US7326402, US7309779, US7306923, US7304034, US7297492, US7288383, US7285382, US7276346, US7273706, US7268207, US7256010, US7235649, US7229758, US7227007, US7217788, US7214513, US7214501, US7208581, US7202058, US7189829, US7189820, US7172858, US7171311, US7160679, US7138247, US7135549, US7122629, US7122358, US7115402, US7112414, US7112408, US7108977, US7105293, US7091331, US7084257, US7081517, US7081340, US7078205, US7078186, US7071004, US7056674, US7045325, US7045316, US7037683, US7037667, US7034132, US7033790, US7030222, US7029892, US7005499, US6984502, US6964851, US6953682, US6953658, US6951738, US6939698, US6939670, US6936424, US6913883, US6911336, US6903201, US6902892, US6902890, US6900288, US6893818, US6881542, US6861215, US6846642, US6821731, US6759515, US6737062, US6706483, US6689614, US6677119, US6670163, US6653102, US6627785, US6627423, US6623923, US6613555, US6613554, US6541224, US6511834, US6479268, US6444800, US2016018412, US2015293103, US2014024811, US2013040311, US2012171225, US2012027770, US2012027675, US2012021994, US2011189700, US2011178374, US2011091880, US2011038895, US2011027806, US2010324267, US2010316600, US2010297158, US2010297152, US2010279399, US2010267032, US2010255501, US2010247544, US2010239649, US2010233152, US2010215637, US2010068212, US2010056446, US2010048450, US2010041138, US2010040574, US2010009358, US2009324619, US2009305257, US2009298096, US2009297440, US2009286850, US2009285750, US2009280490, US2009258827, US2009226915, US2009215024, US2009202991, US2009191149, US2009136939, US2009123415, US2009081210, US2009081172, US2009068690, US2009018096, US2008305111, US2008234393, US2008227082, US2008138838, US2008131375, US2008089886, US2008075684, US2008050837, US2008050726, US2007202496, US2007161034, US2007141621, US2007128639, US2007128161, US2007104686, US20070792891, US2007086900, US2007049549, US2007049548, US2007042405, US2007020695, US2006286033, US2006263334, US2006216748, US2006182719, US2006166231, US2006166213, US2006160154, US2006155111, US2006148689, US2006148032, US2006147460, US2006121494, US2006088934, US2006068434, US2006068411, US2006057602, US2006057153, US2006039857, US2006014184, US2005277137, US2005273270, US2005260646, US2005196782, US2005191673, US2005187153, US2005164218, US2005142640, US2005136434, US2005095642, US2005095634, US2005069963, US2005069941, US2005059071, US2005019785, US2005009120, US2005009042, US2005004013, US2004191817, US2004157255, US2004157251, US2004063907, US2004057956, US2004038344, US2004009508, US2004002067, US2003236632, US2003219767, US2003211039, US2003203361, US2003198972, US2003166115, US2003129686, US2003119079, US2003092116, US2003069180, US2003049732, US2003017517, US2003017515, US2003003467, US2002169287, US2002156011, US2002004239, US10221224, US10189909, US10188746, US10100087, US10041947, US10029018, US10022424, US10017582, US10010624, TW1568446, RU2666915, NL1013748, KR101300929, JP4764874, JP4745583, JP2017006136, JP2015034176, JP2011207903, JP2009242417, JP2008525046, JP2007507206, JP2005000163, JP2004526426, JP2004512022, JP2004502408, JP2004500852, JP2004018679, JP2003521944, JP2003519480, ITTO20080870, GB2409680, GB2381526, FR2848569, FR2826373, FR2824332, FR2788783, EP3434275, EP3406347, EP3388449, EP3372617, EP3235820, EP3120861, EP3120861, EP3088004, EP3088004, EP3082876, EP3033111, EP2968596, EP2968585, EP2935268, EP2921555, EP2921555, EP2921555, EP2906248, EP2850436, EP2839860, EP2819788, EP2496270, EP2491944, EP2491944, EP2489364, EP2486933, EP2478912, EP2475391, EP2402758, EP2399598, EP2394655, EP2394655, EP2339028, EP2336156, EP2336156, EP2333112, EP2316976, EP2311468, EP2286844, EP2267020, EP2267020, EP2260858, EP2228446, EP2216339, EP2184291, EP2169060, EP2086528, EP2075346, EP2009117, EP1985701, EP1959009, EP1934377, EP1934377, EP1876186, EP1873244, EP1873244, EP1869212, EP1869212, EP1838727, EP1838727, EP1792912, EP1788085, EP1781818, EP1774043, EP1774043, EP1767633, EP1767633, EP1767633, EP1763334, EP1755661, EP1755661, EP1706131, EP1706131, EP1618203, EP1618203, EP1605811, EP1605811, EP1593687, EP1593687, EP1587476, EP1587476, EP1575497, EP1575480, EP1556516, EP1556516, EP1554408, EP1549771, EP1546189, EP1537243, EP1531848, EP1531848, EP1500663, EP1499723, EP1476739, EP1472375, EP1469769, EP1469769, EP1468118, EP1467752, EP1439229, EP1439229, EP1427855, EP1427855, EP1425289, EP1425289, EP1416279, EP1395829, EP1392844, EP1392844, EP1385381, EP1287161, EP1272636, EP1265914, EP1257560, EP1257560, EP1248841, EP1245675, EP1244787, EP1236799, EP1223217, EP1223217, EP1212340, EP1212340, EP1209231, EP1209231, EP1200596, EP1180147, EP1165591, EP1165591, EP1155117, EP1155117, EP1141002, EP1141002, EP1123976, EP1123976, EP1116791, EP1116791, EP1077219, EP1077219, EP0974653, EP0974653, CN103463621, BE1013527, AU2014277709, AU2012206980, AU2011201366, AU2009251206, AU2006241345, AU2006202984, AU2005269820, AU2005247092, AU2004299486, AU2004296184, AU2004205878, AU2003274463, AU2002227795, AU2002227795, AU2002213691,

Abstract:

The present invention relates to novel ovarian cancer and/or breast cancer related polynucleotides, the polypeptides encoded by these polynucleotides herein collectively referred to as "ovarian and/or breast antigens," and antibodies that immunospecifically bind these polypeptides, and the use of such ovarian and/or breast polynucleotides, antigens, and antibodies for detecting, treating, preventing and/or prognosing disorders of the reproductive system, particularly disorders of the ovaries and/or breast,

including, but not limited to, the presence of ovarian and/or breast cancer and ovarian and/or breast cancer metastases. More specifically, isolated ovarian and/or breast nucleic acid molecules are provided encoding novel ovarian and/or breast polypeptides. Novel ovarian and/or breast polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human ovarian and/or breast polynucleotides, polypeptides, and/or antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the ovaries and/or breast, including ovarian and/or breast cancer, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The invention further relates to methods and/or compositions for inhibiting or promoting the production and/or function of the polypeptides of the invention.

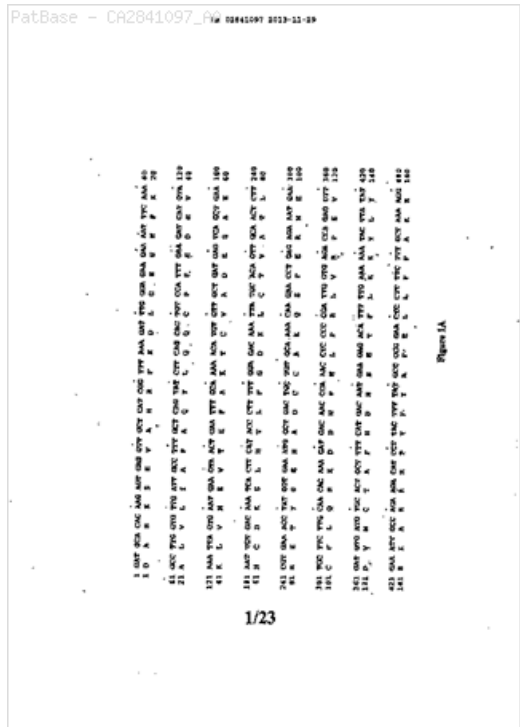


6) Family number: 55802724 (CA2841097A) © PatBase

Title:	ALBUMIN FUSION PROTEINS			
Priority:	US20010341811P 20011221	US20020350358P 20020124	US20020351360P 20020128	US20020367500P 20020327
	US20020359370P 20020226	US20020360000P 20020228	US20020367500P 20020327	US2002037500P 20020327
	US20020370227P 20020408	US20020378950P 20020510	US20020382617P 20020524	US20020394625P 20020710
	US20020383123P 20020528	US20020385708P 20020605	US20020394625P 20020710	US20020402708P 20020813
	US20020398008P 20020724	US20020402131P 20020809	US20020402708P 20020813	US20020414984P 20021002
	US20020411426P 20020918	US20020411355P 20020918	US20020414984P 20021002	US20020423623P 20021105
	US20020417611P 20021011	US20020420246P 20021023	US20020423623P 20021105	
	CA20022471363 20021223	CA20142471363 20140210		
Family:	Publication number	Publication date	Application number	Application date
	CA2841097 AA	20030724	CA20022841097	20021223
Probable Assignee:	HUMAN GENOME SCIENCES INC			
Assignee(s):(std):	HUMAN GENOME SCIENCES INC			
Assignee(s):	ROSEN CRAIG A ; RUBEN STEVEN M ; HASELTINE WILLIAM A			
Inventor(s):(std):	RUBEN STEVEN M ; ROSEN CRAIG A ; HASELTINE WILLIAM A			
Agent(s):	MBM INTELLECTUAL PROPERTY LAW LLP			
International class (IPC 8-9):	A61K38/00 A61K39/395 A61K47/48 A61P13/12 A61P19/06 A61P3/10 A61P35/00 A61P35/02 A61P7/00 A61P7/06 C07H21/04 C07K14/47 C07K14/535 C07K14/76 C07K14/765 C07K19/00 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N15/14 C12N15/27 C12N15/62 C12N15/81 C12N5/10 C12P21/04 G01N33/48 (Advanced/Invention)			
CPC:	A61K31/426 A61K31/4439 A61K31/4965 A61K38/28 A61K38/04 A61K38/17 C07K14/4713 C07K14/505 C07K14/52563 C07K14/635 C07K2319/00 C07K2319/20 C07K2319/31 C12N15/62 C12N2501/335 C07K14/765 A61K31/155 C07K14/435 C07K14/665 C07K14/705 C07K14/82 C12N9/0006 C12Y101/01105 A61K38/00 C07K7/06 C07K14/4723 C07K14/475 C07K14/50 C07K14/51 C07K14/521 C07K14/525 C07K14/535 C07K14/54 C07K14/5406 C07K14/55 C07K14/555 C07K14/56 C07K14/565 C07K14/575 C07K14/5759 C07K14/585 C07K14/60 C07K14/605 C07K14/61 C07K14/62 C07K14/655 C07K16/241 C07K16/26 C07K2317/622 C07K2317/76 C12N9/0008 C12Y102/01 A61K39/21 C07K14/59 C07K14/65 C07K14/7151 C07K16/00 C07K2319/30 C12N7/00 C12N740/16134 C12N2740/16171 C12Y207/01095 C07K14/005 C12N2740/16111 C12N2740/16122			

[Classification Explorer](#)

Abstract:
The present invention encompasses albumin fusion proteins. Nucleic acid molecules encoding the albumin fusion proteins of the invention are also encompassed by the invention, as are vectors containing these nucleic acids, host cells transformed with these nucleic acids vectors, and methods of making the albumin fusion proteins of the invention and using these nucleic acids, vectors, and/or host cells. Additionally the present invention encompasses pharmaceutical compositions comprising albumin fusion proteins and methods of treating, preventing, or ameliorating diseases, disorders or conditions using albumin fusion proteins of the invention.



7) Family number: 50664726 (US2012046221A)

© PatBase

Title:	ALBUMIN FUSION PROTEINS			
Priority:	US20010341811P 20011221	US20020350358P 20020124	US20020351360P 20020128	
	US20020359370P 20020226	US20020360000P 20020228	US20020367500P 20020327	
	US20020370227P 20020408	US20020378950P 20020510	US20020382617P 20020524	
	US20020383123P 20020528	US20020385708P 20020605	US20020394625P 20020710	
	US20020398008P 20020724	US20020402131P 20020809	US20020402708P 20020813	
	US20020411426P 20020918	US20020411355P 20020918	US20020414984P 20021002	
	US20020417611P 20021011	US20020420246P 20021023	US20020423623P 20021105	
	WO2002US40891 20021223	US20040775204 20040211	US20060429373 20060508	
	US20070783419 20070409	US20100836447 20100714	US20110078708 20110401	

Family:	Publication number	Publication date	Application number	Application date
	US2012046221 AA	20120223	US20110078708	20110401
	US8252739 BB	20120828	US20110078708	20110401

Probable Assignee: HUMAN GENOME SCIENCES INC

Assignee(s):(std): BALLANCE DAVID J ; HASELTINE WILLIAM A ; HUMAN GENOME SCIENCES INC ; ROSEN CRAIG A ; TUNER ANDREW J ; RUBEN STEVEN M

Inventor(s):(std): TUNER ANDREW J ; RUBEN STEVEN M ; ROSEN CRAIG A ; HASELTINE WILLIAM A ; BALLANCE DAVID J

Agent(s): FINNEGAN HENDERSON FARABOW GARRETT AND DUNNER LLP

International class (IPC 8-9): A61K38/00 A61K38/38 A61K39/395 A61P13/12 A61P19/06 A61P3/04 A61P3/10 A61P35/00 A61P5/50 A61P7/06 A61P7/12 C07H21/04 C07K14/00 C07K14/47 C07K14/76 C07K14/765 C07K19/00 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N5/10 C12P21/04 (Advanced/Invention)

CPC: A61K31/426 A61K31/4439 A61K31/4965 A61K38/28 A61K38/04 A61K38/17 C07K14/4713 C07K14/505 C07K14/57563 C07K14/635 C07K2319/00 C07K2319/20 C07K2319/31 C12N15/62 C12N2501/335 C07K14/765 A61K31/155 C07K14/435 C07K14/665 C07K14/705 C07K14/82 C12N9/0006 C12Y101/01105 A61K38/00 C07K7/06 C07K14/555 C07K16/241 C07K2317/622 C07K2317/76 C12N9/0008 C12Y102/01 C07K14/4723 C07K14/475 C07K14/50 C07K14/51 C07K14/521 C07K14/525 C07K14/535 C07K14/54 C07K14/5406 C07K14/55 C07K14/56 C07K14/565 C07K14/575 C07K14/5759 C07K14/585 C07K14/60 C07K14/605 C07K14/61 C07K14/62 C07K14/655 C07K16/26 A61K39/21 C07K14/59 C07K14/65 C07K14/7151 C07K16/00 C07K2319/30 C12N7/00 C12N2740/16134 C12N2740/16171 C12Y207/01095 C07K14/005 C12N2740/16111 C12N2740/16122

European class: A61K38/04 A61K38/17 C07K14/47A5 C07K14/505 C07K14/575L C07K14/635 C07K14/765 C12N15/62 K61K38/00 M07K319/00 M07K319/31

US class: 514/1.1 514/4.8 514/4.800P 514/6.7 514/6.700S 514/6.9 514/6.900S 514/7.2 514/7.200S

[Classification Explorer](#)

Cited documents: WO9966054, WO9964061 A1, WO9964060 A1, WO9959621 A1, WO9953064 A2, WO9947161 A1, WO9947160 A1, WO9943706 A1, WO9940788 A1, WO9930731 A1, WO9929336 A1, WO9928346 A1, WO9915194 A1, WO9915193, WO9914328, WO9913914, WO9911781 A1, WO9900504, WO9847489 A1, WO9836085, WO9832867 A1, WO9820895 A1, WO9819698 A1, WO9811136 A1, WO9808873 A1, WO9808531 A1, WO9804718, WO9800158 A1, WO9749729 A1, WO9739132, WO9734997, WO9731943 A1, WO9726321 A2, WO9724445, WO9715296 A1, WO9707814 A1, WO9620005 A1, WO9618412, WO9617942 A1, WO9617941 A2, WO9614416, WO9614409, WO9608512, WO9603144 A1, WO9531214 A1, WO9530759, WO9527059, WO9523857, WO9517510 A1, WO9516708 A1, WO9512684 A1, WO9505848 A1, WO9505465 A1, WO9503405 A2, WO9425489, WO9424160 A2, WO9419373 A1, WO9403198, WO9325579 A1, WO9318786 A1, WO9318785 A1, WO9315211, WO9315200, WO9315199, WO9303164, WO9300437, WO9300109 A1, WO9201055 A1, WO9111457 A1, WO9108220, WO9105867, WO9105052 A1, WO9102754, WO9013653, WO9011296 A1, WO9004788, WO9001540 A1, WO9001063 A1, WO8902922, WO8703887, WO8503079 A1, WO8302461 A1, WO8202715 A1, WO8019143 A3, WO07146038 A2, WO07021494 A2, WO06110887 A2, WO06073890 A2, WO05077042, WO05003296, WO05000892, WO03084563 A1, WO03076567 A2, WO03060071 A2, WO03059934, WO03030821 A2, WO03018516 A2, WO03014318 A2, WO03013573 A1, WO03011892 A2, WO03003971 A2, WO03002136 A2, WO0248192 A2, WO0247716 A2, WO0246227 A2, WO0245712 A1, WO0222151 A2, WO02098348

A2, WO02097038 A3, WO02085406 A1, WO02080676 A1, WO02070549 A2, WO02069994 A2, WO02066062 A2, WO0198331 A2, WO0187322 A2, WO0181405 A2, WO0179271 A1, WO0179258 A1, WO0177137, WO0168112 A2, WO0157084 A1, WO0155213 A2, WO0151093 A2, WO0139784 A1, WO0136489 A2, WO0132200 A1, WO0130320 A1, WO0129242 A2, WO0127128 A1, WO0121602 A1, WO0105826 A2, WO0102017 A2, WO0078333 A2, WO0077039 A2, WO0069913 A1, WO0069911 A1, WO0066629, WO0066142 A2, WO0066138 A2, WO0062759 A1, WO0044772, WO0037098 A1, WO0037051 A1, WO0032772 A2, WO0026354 A1, WO0024893 A3, WO0024893 A2, WO0023459, WO0016797 A2, WO0012116 A1, WO0009666 A2, WO0007617 A1, WO0004171, WO0001727 A1, USRE37302 E, US7977306 BB, US7888314 BB, US7592010 BB, US7569384 BB, US7521424 BB, US7482013 BB, US7271149 BB, US7238667 BB, US7189690 BB, US7141547 BB, US7138371 BB, US7101843 BB, US7041478 BB, US6894024 BB, US6747006 BB, US6706689 BB, US6686179 BB, US6610830 BA, US6583111 BA, US6569832 BA, US6514500 BA, US6482613 BA, US6472373 BA, US6461605 BA, US6448225 BB, US6387365 BA, US6348327 BA, US6348192 BA, US6346543 BA, US6340742 BA, US6329336 BA, US6316224 BA, US6312665 BA, US6300065 BA, US6299872 BA, US6294153 BA, US6290987 BA, US6287588 BA, US6284727 BA, US6284725 BA, US6277819 BA, US6271200 BA, US6258377 BA, US6242479 BA, US6239167 BA, US6231882 BA, US6221958 BA, US6221378 BA, US6217893 BA, US6214863 BA, US6214547 BA, US6201072 BA, US6193997 BA, US6191102 BA, US6172046 B1, US6171828 B1, US6165470 A, US6153581 A, US6150337 A, US6150133 A, US6149911 A, US6133235 A, US6130248 A, US6124495 A, US6117949 A, US6114146 A, US6110970 A, US6110955 A, US6110891 A, US6110707 A, US6110703 A, US6087129 A, US6080877 A, US6071923 A, US6069135 A, US6063772 A, US6063373 A, US6054489 A, US6048724 A, US6045788 A, US6034221 A, US6031004 A, US6030961 A, US6017545 A, US6006753 A, US6004573 A, US5985850 A, US5981488 A, US5981485 A, US5981474 A, US5977318 A, US5977071 A, US5968510 A, US5965386 A, US5959075 A, US5952461 A, US5951996 A, US5948428 A, US5939455 A, US5932547 A, US5922761 A, US5922674 A, US5919815 A, US5919651 A, US5912229 A, US5908830 A, US5905143 A, US5889144 A, US5876969 A, US5863555 A, US5861406 A, US5856123 A, US5854018 A, US5849322 A, US5847004 A, US5846774 A, US5844095 A, US5840542 A, US5830452 A, US5824330 A, US5801190 A, US5795777 A, US5795746 A, US5788964 A, US5783423 A, US5780021 A, US5767097 A, US5766883 A, US5766620 A, US5763394 A, US5741815 A, US5739007 A, US5728707 A, US5728553 A, US5726038 A, US5714377 A, US5705363 A, US5702717 A, US5679777 A, US5668007 A, US5667986 A, US5665863 A, US5658568 A, US5646113 A, US5646012 A, US5641663 A, US5639642 A, US5637504 A, US5629286 A, US5625041 A, US5618698 A, US5618676 A, US5612196 A, US5602232 A, US5582822 A, US5574008 A, US5545618 A, US5521086 A, US5512549 A, US5508031 A, US5503993 A, US5460954 A, US5460811 A, US5459031 A, US5432082 A, US5409815 A, US5395922 A, US5380712 A, US5358709 A, US5336603 A, US5330971 A, US5322930 A, US5304473 A, US5302697 A, US5272070 A, US5260202 A, US5256410 A, US5230886 A, US5229109 A, US5223408 A, US5219565 A, US5208018 A, US5187261 A, US5128126 A, US5126129 A, US5116964 A, US5116944 A, US5106954 A, US5102872 A, US5100784 A, US5096885 A, US5096707 A, US5073627 A, US5071872 A, US5066489 A, US5061488 A, US5053389 A, US5045312 A, US5028422 A, US5015575 A, US5010003 A, US5002764 A, US4999339 A, US4970300 A, US4959314 A, US4929442 A, US4925919 A, US4916212 A, US4914027 A, US4914026 A, US4908434 A, US4908433 A, US4840934 A, US4835260 A, US4801575 A, US4792602 A, US4778879 A, US4775622 A, US4765980 A, US4751180 A, US4652525 A, US4499188 A, US4492684 A, US4462940 A, US4450103 A, US4447538 A, US4440859 A, US4407948 A, US4397840 A, US4366246 A, US4363877 A, US4342832 A, US4336248 A, US4283489 A, US4264731 A, US2011009312 AA, US2010311662 AA, US2010093627 AA, US2010048472 AA, US2010029554 AA, US2009099073 AA, US2009093402 AA, US2008293629 AA, US2008213886 AA, US2008167240 AA, US2008167239 AA, US2008167238 AA, US2008161243 AA, US2008153751 AA, US2008146503 AA, US2007259815 AA, US2007244047 AA, US2007048282 AA, US2006276396 AA, US2006194735 AA, US2005266533 AA, US2005266532 AA, US2005244931 AA, US2005186664 AA, US2005100991 AA, US2005054570 AA, US2005048471 AA, US2005037022 AA, US2004171123 AA, US2004121426 AA, US2004086977 AA, US2004086976 AA, US2004063635 AA, US2004053370 AA, US2004018975 AA, US2004016005 AA, US2004010134 AA, US2003219875 AA, US2003199043 AA, US2003171267 AA, US2003147918 AA, US2003143191 AA, US2003125247 AA, US2003108568 AA, US2003108567 AA, US2003104578 AA, US2003082747 AA, US2003054554 AA, US2003036172 AA, US2003036171 AA, US2003036170 AA, US2003022308 AA, US2002193570 AA, US2002106719 AA, US2002048571 AA, US2002037841 AA, US2001046956 AA, US2001021767 AA, US2001014666 AA, US2001011071 AA, US2001006943 AA, US2001002394 AA, JP859509, JP853500, JP8051982, JP638771, JP6022784, JP5292972, JP4211375, JP327320, JP3201987, JP2227079, JP2117384, JP1117790, GB2350362 A1, GB2193631 A1, FR2719593, FR2635115, EP1330261 B1, EP1317929 A2, EP1306092 A2, EP1213029 A1, EP1136075 B1, EP1125579 A2, EP1099441 A2, EP0964692 B1, EP0956861 B1, EP0946191 B1, EP0903148 B1, EP0889949 B1, EP0771871 A2, EP0764209 B1, EP0751220 A1, EP0741188 A3, EP0741188 A2, EP0736303 B1, EP0734450 B1, EP0711835 A1, EP0658568 A1, EP0640619 B1, EP0624195, EP0619322 A2, EP0591524, EP0511912 A1, EP0510693 A2, EP0510678 A2, EP0509841 A2, EP0503583 A1, EP0427296 B1, EP0422697 B1, EP0416673 A1, EP0413622 B1, EP0401384 B1, EP0399666 B1, EP0395918 A2, EP0366400 A2, EP0364980 B1, EP0361991 A2, EP0347781 B1, EP0344459 A2, EP0339568 A1, EP0330451 A2, EP0325262 A2, EP0322094 A1, EP0319641 A1, EP0317254 B1, EP0314317 A1, EP0308381 A1, EP0301670 A1, EP0300466 B1, EP0267208 B1, EP0252561 A2, EP0244221 A1, EP0241435 B1, EP0241435 A2, EP0237545 B2, EP0237019 A2, EP0236210 A1, EP0231819 B1, EP0230980 B2, EP0230980 B1, EP0229016 B1, EP0222279 B1, EP0218825 B1, EP0217404 B1, EP0215658 A2, EP0209539 B1, EP0206733 A1, EP0205564 B2, EP0201239 B1, EP0201239 A1, EP0196056 B1, EP0195691 B1, EP0172619 A1, EP0169566 B2, EP0163529 B1, EP0163406 B1, EP0163406 A1, EP0147198 A3, EP0146413 A2, EP0146354 A2, EP0138437 A2, EP0123544 A2, EP0123294 A1, EP0121884 B1, EP0118617 B1, EP0116201 A1, EP0106179 B1, EP0091527 A2, EP0088632 A2, EP0079739 A2, EP0077670 B1, EP0073646 A2, EP0070906 A1, EP0068701 A2, EP0048970 A2, EP0041313 B1, EP0032134 A2, EP0028033 A2, EP0022242 B1, DE3723781 A1, DE19921537 A1, CN1239103 A, CN1235981 A, CA2309810 AA, CA2270320, CA2070781, CA2022539, CA1341211, AU741964 B2, AU704594,

Forward Citations: WO15173633, US9982029, US9932381, US9920118, US9834586, US9828415, US9827291, US9789165, US9775904, US9771406, US9758561, US9751926, US9750788, US9745360, US9694053, US9670261, US9550819, US9161966, US2013029911, US10195250, US10174119, EP2796425, EP2796425,

Abstract:

The present invention encompasses albumin fusion proteins. Nucleic acid molecules encoding the albumin fusion proteins of the invention are also encompassed by the invention, as are vectors containing these nucleic acids, host cells transformed with these nucleic acids vectors, and methods of making the albumin fusion proteins of the invention and using these nucleic acids, vectors, and/or host cells. Additionally the present invention encompasses pharmaceutical compositions comprising albumin fusion proteins and methods of treating, preventing, or ameliorating diseases, disorders or conditions using albumin fusion proteins of the invention.

PatBase PDF Export - Page: 13 25/03/2019

C07K14/435 C07K14/665 C07K14/705 C07K14/82 C12N9/0006 C12Y101/01105 C07K14/765
A61K31/155 A61K38/00 C07K7/06 C07K14/555 C07K16/241 C07K2317/622 C07K2317/76 C12N9/0008
C12Y102/01 C07K14/4723 C07K14/475 C07K14/50 C07K14/51 C07K14/521 C07K14/525 C07K14/535
C07K14/54 C07K14/5406 C07K14/55 C07K14/56 C07K14/565 C07K14/575 C07K14/5759 C07K14/585
C07K14/60 C07K14/605 C07K14/61 C07K14/62 C07K14/655 C07K16/26 A61K39/21 C07K14/59
C07K14/65 C07K14/7151 C07K16/00 C07K2319/30 C12N7/00 C12N2740/16134 C12N2740/16171
C12Y207/01095 C07K14/005 C12N2740/16111 C12N2740/16122

European class: A61K38/04 A61K38/17 C07K14/47A5 C07K14/505 C07K14/575L C07K14/635 C07K14/765 C12N15/62
K61K38/00 M07K319/00 M07K319/31

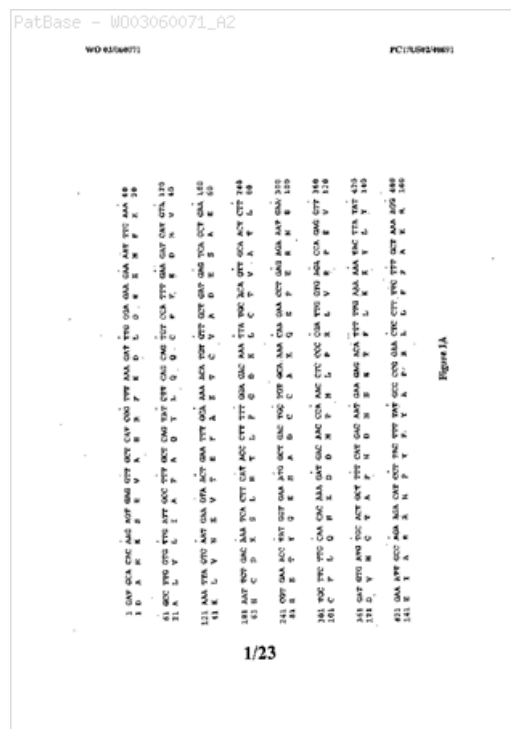
[Classification Explorer](#)

Cited documents: WO9966936 A1, WO9956764 A1, WO9949830 A2, WO9923105 A1, WO9854366 A1, WO9850347 A1,
WO9830213 A2, WO9734911 A1, WO9733899 A1, WO9724445 A1, WO9315211 A1, WO9315199 A1,
WO9001063 A1, WO0179480 A1, WO0179444 A2, WO0179443 A2, WO0179442 A2, WO0179271 A1,
WO0179258 A1, WO0177317 A1, WO0177137 A1, WO01079480, WO01079444, WO01079442,
WO01079271, WO01079258, WO01077317, WO0105826 A2, WO01005826, WO0069911 A1,
WO00069911, US6300065 BA, US5959075 A, US5668007 A, US3773919 A, JP9235298 A2, JP9235298,
JP9040699 A2, JP9040699, JP7503368 T2, JP7503368, JP62192399 A2, JP62192399, JP3036516 B2,
JP2000502901 T2, JP2000502901, JP1502753 T2, JP1502753, JP11501506 T2, JP11501506, EP0624195
A1, EP0387319 A1, EP0361991 A2, EP0330451 A2, EP0322094 A1, EP0258067 A2, EP0251744 A2,
EP0133988 A2, EP0058481 A1,

Forward Citations: WO18082758, WO17043569, WO14125082, WO14012082, WO14012082, WO13171570, WO13135896,
WO13006675, WO12150319, WO12136792, WO12136790, WO12059486, WO11124718, WO11039096,
WO10108937, WO10020777, WO10020777, WO09121804, WO09058322, WO07112940, WO07112940,
WO07064437, WO07064437, WO07056681, WO05054286, WO05026392, WO05026392, US9944691,
US9775888, US9663568, US9566246, US9550830, US9545086, US9505823, US9499605, US9388231,
US9345766, US9296809, US9273111, US9265812, US9221896, US9000127, US8993519, US8993517,
US8981061, US8969538, US8946156, US8927694, US8765915, US8759295, US8642542, US8633155,
US8604185, US8598314, US8541373, US8513189, US8334365, US8287859, US8252739, US8231878,
US8143026, US8106165, US8084200, US8071539, US8022270, US7977306, US7959924, US7939080,
US7935784, US7799759, US7785599, US7740846, US7632983, US7625859, US7608269, US7572451,
US7396810, US7393823, US7371384, US7271149, US7238660, US7189690, US2013261025,
US2008260746, US2007219131, US10233228, US10189904, US10179814, US10155803, US10150809,
US10080785, JP2017031136, JP2012515222, JP2012515221, JP2012514986, JP2012140448,
JP2010503697, JP2009520469, JP2007522806, JP2007508332, JP2007504825, EP3431508, EP3348635,
EP3330283, EP3318124, EP3095456, EP2956002, EP2931298, EP2860260, EP2825556, EP2769990,
EP2729492, EP2423222, EP2373681, EP2364326, EP2332563, EP2054437, EP1924596, EP1924596,
EP1729795, EP1664346, CN104768571, CN102939304, CN102939304, CN102816241, AU2008319332,
AU2007227202, AU2005211776,

Abstract:

The present invention encompasses albumin fusion proteins. Nucleic acid molecules encoding the albumin fusion proteins of the invention are also encompassed by the invention, as are vectors containing these nucleic acids, host cells transformed with these nucleic acids vectors, and methods of making the albumin fusion proteins of the invention and using these nucleic acids, vectors, and/or host cells. Additionally the present invention encompasses pharmaceutical compositions comprising albumin fusion proteins and methods of treating, preventing, or ameliorating diseases, disorders or conditions using albumin fusion proteins of the invention.



9) Family number: 48576823 (EP1997829A1)

© PatBase

Title:	ALBUMIN FUSION PROTEINS		
Priority:	US20010341811P 20011221	US20020350358P 20020124	US20020351360P 20020128
	US20020359370P 20020226	US20020360000P 20020228	US20020367500P 20020327
	US20020370227P 20020408	US20020378950P 20020510	US20020382617P 20020524
	US20020383123P 20020528	US20020385708P 20020605	US20020394625P 20020710
	US20020398008P 20020724	US20020402131P 20020809	US20020402708P 20020813
	US20020411426P 20020918	US20020411355P 20020918	US20020414984P 20021002
	US20020417611P 20021011	US20020420246P 20021023	US20020423623P 20021105
	EP20020799966 20021223	EP20080075724 20021223	EP20100075030 20021223

Family:	Publication number	Publication date	Application number	Application date
	EP1997829 A1	20081203	EP20080075724	20021223
	EP2990417 A1	20160302	EP20150174476	20021223
Probable Assignee:	NOVOZYMES INC			
Assignee(s):(std):	HUMAN GENOME SCIENCES INC ; NOVOZYMES BIOPHARMA DK AS ; NOVOZYMES BIOPHARMA UK LTD ; NOVOZYMES INC			
Assignee(s):	NOVOZYMES BIOPHARMA UK LIMITED ; NOVOZYMES BIOPHARMA DK A S			
Inventor(s):(std):	BALLANCE DAVID JAMES ; HASELTINE WILLIAM A ; ROSEN CRAIG A ; RUBEN STEVEN M ; TURNER ANDREW JOHN			
Agent(s):	BASSETT RICHARD SIMON ET AL; POTTER CLARKSON LLP			
Designated states:	AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SI SK TR			
International class (IPC 8-9):	A01N37/18 A61K38/00 A61K39/395 A61P13/12 A61P19/06 A61P3/10 A61P35/00 A61P7/06 C07H21/04 C07K1/00 C07K14/47 C07K14/62 C07K14/76 C07K14/765 C07K19/00 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N15/62 C12N5/10 C12P21/04 C12P21/06 G01N31/00 (Advanced/Invention)			
CPC:	A61K31/426 A61K31/4439 A61K31/4965 A61K38/28 A61K38/04 A61K38/17 C07K14/4713 C07K14/505 C07K14/57563 C07K14/635 C07K2319/00 C07K2319/20 C07K2319/31 C12N15/62 C12N2501/335 C07K14/765 A61K31/155 C07K14/435 C07K14/665 C07K14/705 C07K14/82 C12N9/0006 C12Y101/01105 A61K38/00 C07K7/06 C07K14/4723 C07K14/475 C07K14/50 C07K14/51 C07K14/521 C07K14/525 C07K14/535 C07K14/54 C07K14/5406 C07K14/55 C07K14/555 C07K14/56 C07K14/565 C07K14/575 C07K14/5759 C07K14/585 C07K14/60 C07K14/605 C07K14/61 C07K14/62 C07K14/655 C07K16/241 C07K16/26 C07K2317/622 C07K2317/76 C12N9/0008 C12Y102/01 A61K39/21 C07K14/59 C07K14/65 C07K14/7151 C07K16/00 C07K2319/30 C12N7/00 C12N2740/16134 C12N2740/16171 C12Y207/01095 C07K14/005 C12N2740/16111 C12N2740/16122			
European class:	A61K38/00 A61K38/17 C07K14/47A5 C07K14/505 C07K14/575L C07K14/635 C07K14/765 C12N15/62 K61K38/00 M07K319/00 M07K319/31			

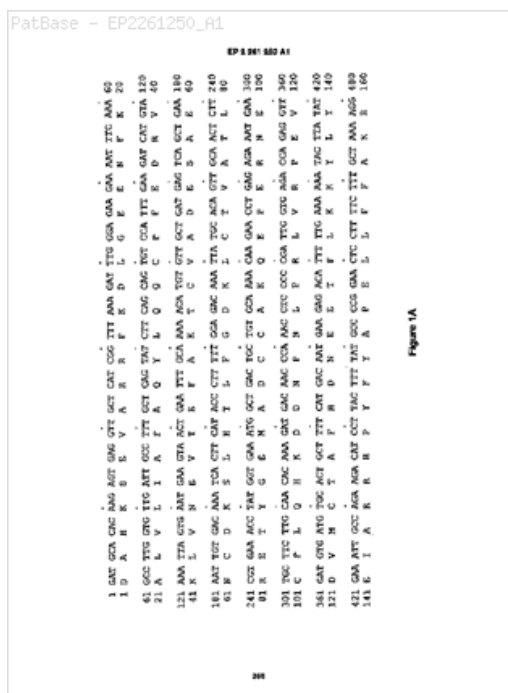
[Classification Explorer](#)

Cited documents: WO9966936 A1, WO9956764 A1, WO9949830 A2, WO9923105 A1, WO9900504 A1, WO9856892 A1, WO9854366 A1, WO9854202 A1, WO9850433 A2, WO9850347 A1, WO9846645 A2, WO9832856 A1, WO9832466 A1, WO9830694 A2, WO9830693 A2, WO9830213 A2, WO9824893 A2, WO9818921 A1, WO9817281 A1, WO9816654 A1, WO9811779, WO9807880 A1, WO9807832 A1, WO9806842 A1, WO9802543 A1, WO9734911 A1, WO9733904 A1, WO9733899 A1, WO9724445 A1, WO9640281 A2, WO9639515 A1, WO9634891, WO9634096 A1, WO9634095 A1, WO9633735 A1, WO9629411 A1, WO9626736 A1, WO9614328 A1, WO9523857 A1, WO9520401 A1, WO9515982 A2, WO9506058 A1, WO9418318, WO9412650 A2, WO9409469 A1, WO9320242, WO9317715 A1, WO9315199 A1, WO9311236 A1, WO9222324 A1, WO9218619 A1, WO9210619, WO9208802 A1, WO9206194 A1, WO9205793 A1, WO9201047 A1, WO9110741 A1, WO9110737 A1, WO9109967 A1, WO9106657 A1, WO9106309 A1, WO9105058, WO9100360 A1, WO9013649 A1, WO9011092 A1, WO9002809 A1, WO9001063 A1, WO8910404 A1, WO8901036 A1, WO8900557 A1, WO8704462 A1, WO8702671, WO8605807 A1, WO8601533, WO0179271 A1, WO0044772 A2, US6114598 A, US6075181 A, US5985660 A, US5969108 A, US5965386 A, US5958405, US5939598 A, US5916771 A, US5908763, US5885793 A, US5866546, US5858719, US5846818 A, US5837458, US5834252, US5830721, US5821047 A, US5817471, US5814318 A, US5811238, US5811097 A, US5808003 A, US5807715 A, US5783423 A, US5780225 A, US5756065 A, US5750753 A, US5733743 A, US5731490 A, US5731489 A, US5728915 A, US5723719 A, US5720936 A, US5714631 A, US5705151, US5703055 A, US5698426 A, US5696239 A, US5693622 A, US5676954 A, US5661016 A, US5658727 A, US5652361 A, US5652224 A, US5643575 A, US5641670 A, US5633425 A, US5625126 A, US5612460 A, US5605793, US5602307 A, US5601819 A, US5593972 A, US5589466 A, US5589377 A, US5585089 A, US5580859 A, US5580717 A, US5576195 A, US5573920 A, US5571698 A, US5569825 A, US5565332 A, US5545806 A, US5545618 A, US5530101 A, US5516637 A, US5505931 A, US5489743 A, US5489425 A, US5482852 A, US5478745 A, US5474935 A, US5459127 A, US5441050 A, US5436146 A, US5435990 A, US5428139 A, US5427908 A, US5413923 A, US5403484 A, US5367080 A, US5354678 A, US5349052 A, US5342604 A, US5328470 A, US5326859, US5283184 A, US5274119 A, US5258498 A, US5225539 A, US5223409 A, US5198346, US5173414 A, US5139941 A, US5122464 A, US5096815, US5073627 A, US5049386 A, US4994560 A, US4980286 A, US4946787 A, US4946778 A, US4925648 A, US4897355 A, US4885363 A, US4873191, US4857467 A, US4816567 A, US4816397 A, US4810643, US4758428 A, US4741900 A, US4736866 A, US4716111 A, US4714681 A, US4703008, US4687659 A, US4676980 A, US4647447 A, US4588585, US4544545 A, US4485045 A, US4474893 A, US4444887 A, US4414510 A, US42362302, US42024602, US4179337 A, US41761102, US41498402, US41142602, US41135502, US40270802, US40213102, US4002531 A, US39800802, US39462502, US38570802, US38312302, US38261702, US37895002, US3773919 A, US37022702, US36750002, US36000002, US35937002, US35136002, US35035802, US34181101, US1989, RO323555, RO134, JPS6296086, JP911036516, JP80088311, JP64047381 A2, JP62096086 A2, JP58118008 A2, JP1047381, JP10047381, GB9101134, GB2324529, EP88046, EP8403564, EP71564, EP693554, EP682110, EP592106, EP58481, EP52322, EP519596, EP506477, EP431880, EP43075, EP399816, EP394827, EP387319, EP36676, EP361991, EP330451, EP322094, EP32134, EP282317, EP258067, EP251744, EP239400, EP232751, EP201239, EP1991, EP173494, EP171496, EP143949, EP142641, EP133988, EP102324, EP0693554 A1, EP0682110 A1, EP0598877 A1, EP0592106 A1, EP0519596 A1, EP0506477 A1, EP0401384 A1, EP0399816 A1, EP0387319 A1, EP0361991 A2, EP0330451 A2, EP0322094 A1, EP0282317 A2, EP0258067 A2, EP0251744 A2, EP0239400 A2, EP0232751 A1, EP0201239 A1, EP0143949 A1, EP0142641 A2, EP0133988 A2, EP0102324 A2, EP0088046 A2, EP0071564 A1, EP0058481 A1, EP0052322 A2, EP0043075 A2, EP0036676 A1, DE3218121 A1, DE19639601 A1,

Abstract:
The present invention encompasses albumin fusion proteins. Nucleic acid molecules encoding the albumin fusion proteins of the invention are also encompassed by the invention, as are vectors containing these nucleic acids, host cells transformed with these nucleic acids vectors, and methods of making the albumin fusion proteins of the invention and using these nucleic acids, vectors, and/or host cells. Additionally the present invention encompasses pharmaceutical compositions comprising albumin fusion proteins and methods of treating, preventing, or ameliorating diseases, disorders or conditions using albumin fusion proteins of the invention. The fusion protein may comprise a hybrid (human serum albumin)/Kex2 leader sequence followed by a mature albumin fused to the N-terminus of mature interferon alpha-2b.

Forward Citations: WO14164981, US9849162, US9821039, US9701732, US9273116, US8993519, US8765915, US8211439, US10064915, KR101395394.

Abstract: The present invention encompasses albumin fusion proteins. Nucleic acid molecules encoding the albumin fusion proteins of the invention are also encompassed by the invention, as are vectors containing these nucleic acids, host cells transformed with these nucleic acids vectors, and methods of making the albumin fusion proteins of the invention and using these nucleic acids, vectors, and/or host cells. Additionally the present invention encompasses pharmaceutical compositions comprising albumin fusion proteins and methods of treating, preventing, or ameliorating diseases, disorders or conditions using albumin fusion proteins of the invention.



Priority:	US20010341811P	20011221	US20020350358P	20020124	US20020351360P	20020128
	US20020359370P	20020226	US20020360000P	20020228	US20020367500P	20020327
	US20020370227P	20020408	US20020378950P	20020510	US20020382617P	20020524
	US20020383123P	20020528	US20020385708P	20020605	US20020394625P	20020710
	US20020398008P	20020724	US20020402131P	20020809	US20020402708P	20020813
	US20020411355P	20020918	US20020411426P	20020918	US20020414984P	20021002
	US20020417611P	20021011	US20020420246P	20021023	US20020423623P	20021105
	WO2002US40891	20021223	US20040775204	20040211		

Assignee(s): ROSEN CRAIG A ; TURNER ANDREW J ; NOVOZYMES BIOPHARMA DK A S ; NOVOZYMES BIOPHARMA UK LTD ; NOVOZYMES DELTA LTD ; NOVOZYMES INC ; BALLANCE DAVID J ; DELTA BIOTECHNOLOGY LTD ; HASELTINE WILLIAM A

Inventor(s):(std): HASELTINE WILLIAM A ; BALLANCE DAVID J ; ROSEN CRAIG A ; TURNER ANDREW J ; RUBEN STEVEN M

Inventor(s): BALLANCE DAVID ; ROSEN CRAIG ; TURNER ANDREW ; HASELTINE WILLIAM

Agent(s): HUMAN GENOME SCIENCES INC INTELLECTUAL PROPERTY DEPT; FINNEGAN HENDERSON FARABOW GARRETT AND DUNNER LLP

International class (IPC 8-9): A61K38/00 A61K38/38 A61K39/395 A61P13/12 A61P19/06 A61P3/10 A61P35/00 A61P7/06 C07H21/04 C07K14/47 C07K14/76 C07K14/765 C07K19/00 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N5/10 C12P21/04 (Advanced/Invention)

International class (IPC 1-7): C07H21/04 C07K14/765 C12P21/04

CPC: A61K31/426 A61K31/4439 A61K31/4965 A61K38/28 A61K38/04 A61K38/17 C07K14/4713 C07K14/505 C07K14/57563 C07K14/635 C07K2319/00 C07K2319/20 C07K2319/31 C12N15/62 C12N2501/335 C07K14/765 A61K31/155 C07K14/435 C07K14/665 C07K14/705 C07K14/82 C12N9/0006 C12Y101/01105 A61K38/00 C07K7/06 C07K14/555 C07K16/241 C07K2317/622 C07K2317/76 C12N9/0008 C12Y102/01 C07K14/4723 C07K14/475 C07K14/50 C07K14/51 C07K14/521 C07K14/525 C07K14/535 C07K14/54 C07K14/5406 C07K14/55 C07K14/56 C07K14/565 C07K14/575 C07K14/5759 C07K14/585 C07K14/60 C07K14/605 C07K14/61 C07K14/62 C07K14/655 C07K16/26 A61K39/21 C07K14/59 C07K14/65 C07K14/7151 C07K16/00 C07K2319/30 C12N7/00 C12N2740/16134 C12N2740/16171 C12Y207/01095 C07K14/005 C12N2740/16111 C12N2740/16122

European class: A61K38/04 A61K38/17 C07K14/47A5 C07K14/505 C07K14/575L C07K14/635 C07K14/765 C12N15/62 K61K38/00 M07K319/00 M07K319/31

US class: 435/320.1 435/320.100S 435/325 435/325S 435/69.7 435/69.700P 514/11.7 514/12 514/15.2 514/6.9 514/6.900S 530/362 530/363 530/363S 536/23.5 536/23.500S

[Classification Explorer](#)

Cited documents: WO9966054, WO9964061 A1, WO9964060 A1, WO9959621 A1, WO9953064 A2, WO9947161 A1, WO9947160 A1, WO9943706 A1, WO9940788 A1, WO9930731 A1, WO9929336 A1, WO9915194 A1, WO9915193, WO9913914, WO9911781 A1, WO9900504, WO9836085, WO9832867 A1, WO9820895 A1, WO9819698 A1, WO9811136 A1, WO9808873 A1, WO9808531 A1, WO9804718, WO9800158 A1, WO9749729 A1, WO9739132, WO9734997, WO9731943 A1, WO9726321 A2, WO9724445 A1, WO9715296 A1, WO9707814 A1, WO9620005 A1, WO9618412, WO9617942 A1, WO9617941 A2, WO9608512, WO9603144 A1, WO9531214 A1, WO9530759, WO9527059, WO9523857, WO9517510 A1, WO9516708 A1, WO9512684 A1, WO9505848 A1, WO9505465 A1, WO9503405 A2, WO9425489, WO9424160 A2, WO9419373 A1, WO9325579 A1, WO9318786 A1, WO9318785 A1, WO9315200, WO9303164, WO9300437, WO9300109 A1, WO9201055 A1, WO9111457 A1, WO9108220, WO9105052 A1, WO9102754, WO9013653, WO9011296 A1, WO9004788, WO9001540 A1, WO9001063 A1, WO8902922, WO8703887, WO8503079 A1, WO8302461 A1, WO05077042, WO05003296, WO05000892, WO03076567 A2, WO03059934, WO03030821 A2, WO03018516 A2, WO03014318 A2, WO03013573 A1, WO03011892 A2, WO03003971 A2, WO03002136 A2, WO0248192 A2, WO0247716 A2, WO0246227 A2, WO0245712 A1, WO0222151 A2, WO02098348 A2, WO02097038 A3, WO02097038 A2, WO02085406 A1, WO02080676 A1, WO02070549 A2, WO02069994 A2, WO02066062 A2, WO0198331 A2, WO0187322 A2, WO0181405 A2, WO0177137, WO0168112 A2, WO0157084 A1, WO0155213 A2, WO0151093 A2, WO0139784 A1, WO0136489 A2, WO0132200 A1, WO0130320 A1, WO0129242 A2, WO0127128 A1, WO0121602 A1, WO0105826 A2, WO0102017 A2, WO0078333 A2, WO0077039 A2, WO0069913 A1, WO0069911 A1, WO0066142 A2, WO0066138 A2, WO0062759 A1, WO0044772, WO0037098 A1, WO0037051 A1, WO0032772 A2, WO0026354 A1, WO0024893 A3, WO0024893 A2, WO0023459, WO0016797 A2, WO0012116 A1, WO0009666 A2, WO0007617 A1, WO0004171, WO0001727 A1, USRE37302 E, US6686179 BB, US6686179 BA, US6610830 BA, US6583111 BA, US6569832 BA, US6514500 BA, US6482613 BA, US6472373 BA, US6461605 BA, US6448225 BA, US6387365 BA, US6348327 BA, US6348192 BA, US6346543 BA, US6340742 BA, US6329336 BA, US6316224 BA, US6312665 BA, US6300065 BA, US6299872 BA, US6294153 BA, US6290987 BA, US6287588 BA, US6284727 BA, US6284725 BA, US6277819 BA, US6271200 BA, US6258377 BA, US6242479 BA, US6239167 BA, US6231882 BA, US6221958 BA, US6221378 BA, US6217893 BA, US6214863 BA, US6214547 BA, US6201072 BA, US6193997 BA, US6191102 BA, US6172046 BA, US6172046 B1, US6171828 BA, US6171828 B1, US6165470 A, US6153581 A, US6150337 A, US6150133 A, US6149911 A, US6133235 A, US6130248 A, US6124495 A, US6117949 A, US6114146 A, US6110970 A, US6110955 A, US6110891 A, US6110707 A, US6110703 A, US6087129 A, US6080877 A, US6071923 A, US6069135 A, US6063772 A, US6063373 A, US6054489 A, US6048724 A, US6045788 A, US6034221 A, US6031004 A, US6030961 A, US6017545 A, US6006753 A, US6004573 A, US5985850 A, US5981488 A, US5981485 A, US5981474 A, US5977318 A, US5977071 A, US5968510 A, US5965386 A, US5959075 A, US5952461 A, US5951996 A, US5948428 A, US5939455 A, US5932547 A, US5922761 A, US5922674 A, US5919815 A, US5919651 A, US5912229 A, US5908830 A, US5905143 A, US5889144 A, US5876969 A, US5863555 A, US5861406 A, US5856123 A, US5854018 A, US5849322 A, US5847004 A, US5846774 A, US5844095 A, US5840542 A, US5830452 A, US5824330 A, US5801190 A, US5795777 A, US5795746 A, US5788964 A, US5783423 A, US5780021 A, US5767097 A, US5766883 A, US5766620 A, US5763394 A, US5741815 A, US5739007 A, US5728707 A, US5728553 A, US5726038 A, US5714377 A, US5705363 A, US5702717 A, US5679777 A, US5668007 A, US5667986 A, US5665863 A, US5658568 A, US5646113 A, US5646012 A, US5641663 A, US5639642 A, US5637504 A, US5629286 A, US5625041 A, US5618698 A, US5618676 A, US5612196 A, US5602232 A, US5582822 A, US5574008 A, US5545618 A, US5521086 A, US5512549 A, US5508031 A, US5506120 A, US5503993 A, US5460954 A, US5460811 A, US5459031 A, US5432082 A, US5409815 A, US5395922 A, US5380712 A, US5358709 A, US5336603 A, US5330971 A, US5322930 A, US5304473 A, US5302697 A, US5272070 A, US5260202 A, US5256410 A, US5230886 A, US5229109 A, US5223408 A, US5219565 A, US5208018 A, US5187261 A, US5128126 A, US5126129 A, US5116964 A, US5116944 A, US5106954 A, US5102872 A, US5100784 A, US5096885 A, US5096707 A, US5073627 A, US5071872 A, US5066489 A, US5061488 A, US5053389 A, US5045312 A, US5028422 A, US5015575 A, US5010003 A, US5002764 A, US4999339 A, US4970300 A, US4959314 A, US4929442 A, US4925919 A, US4916212 A, US4914027 A, US4914026 A, US4908434 A, US4908433 A, US4840934 A, US4835260 A, US4801575 A, US4792602 A, US4778879 A, US4775622 A, US4765980 A, US4751180 A, US4652525 A, US4499188 A, US4492684 A, US4462940 A, US4450103 A, US4447538 A, US4440859 A, US4407948 A, US4397840 A, US4366246 A, US4363877 A, US4342832 A, US4336248 A, US4283489 A, US4264731 A, US2005054570 AA, US2005037022 AA, US2004171123 AA, US2004121426 AA, US2004086977 AA, US2004086976 AA, US2004063635 AA, US2004010134 AA, US2003219875 AA, US2003199043 AA, US2003171267 AA, US2003125247 AA, US2003108568 AA, US2003108567 AA, US2003104578 AA, US2003082747 AA, US2003054554 AA, US2003036172 AA, US2003036171 AA, US2003036170 AA, US2003022308 AA, US2002193570 AA, US2002106719 AA, US2002048571 AA, US2002037841 AA, US2001046956 AA, US2001021767 AA, US2001014666 AA, US2001011071 AA, US2001006943 AA, US2001002394 AA, JP859509, JP853500, JP8051982, JP638771, JP6022784, JP5292972, JP42111375, JP327320, JP3201987, JP2227079, JP2117384, JP1117790, GB2350362 A1, GB2193631 A1, EP2252561 A2, EP1317929 A2, EP1213029 A1, EP1136075 B1, EP1125579 A2, EP1099441 A2, EP0956861 B1, EP0946191 B1, EP0903148 B1, EP0889949 B1, EP0771871 A2, EP0764209 B1, EP0751220 A1, EP0741188 A3, EP0741188 A2, EP0736303 B1, EP0734450 B1, EP0658568 A1, EP0640619 B1, EP0624195, EP0619322 A2, EP0510693 A2, EP0510678 A2, EP0509841 A2, EP0503583 A1, EP0427296 B1, EP0422697 B1, EP0416673 A1, EP0413622 B1, EP0401384 B1, EP0399666 B1, EP0395918 A2, EP0366400 A2, EP0364980 B1, EP0361991 A2, EP0344459 A2, EP0339568 A1, EP0330451 A2, EP0325262 A2, EP0322094 A1, EP0319641 A1, EP0317254 B1, EP0314317 A1, EP0308381 A1, EP0301670 A1, EP0300466 B1, EP0267208 B1, EP0244221 A1, EP0241435 B1, EP0241435 A2, EP0237545 B2, EP0237019 A2, EP0231819 B1, EP0230980 B2,

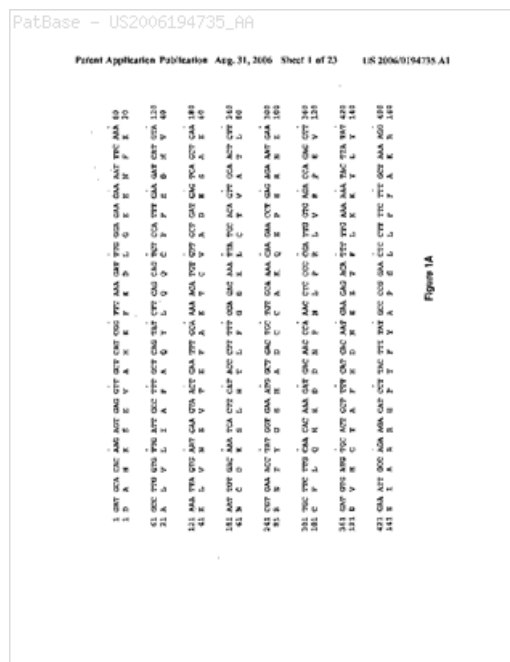
Family:	Publication number	Publication date	Application number	Application date
	US2006194735 AA	20060831	US20060429276	20060508
	US7592010 BB	20090922	US20060429276	20060508
Probable Assignee:	NOVOZYMES INC			
Assignee(s):(std):	DELTA BIOTECHNOLOGY LTD ; HUMAN GENOME SCIENCES INC			
Assignee(s):	NOVOZYMES BIOPHARMA DK A S ; NOVOZYMES BIOPHARMA UK LTD ; NOVOZYMES DELTA LTD ; NOVOZYMES INC ; DELTA BIOTECHNOLOGY LIMITED			
Inventor(s):(std):	HASELTINE WILLIAM A ; BALLANCE DAVID J ; ROSEN CRAIG A ; TURNER ANDREW J ; RUBEN STEVEN M			
Inventor(s):	BALLANCE DAVID ; RUBEN STEVEN ; HASELTINE WILLIAM ; ROSEN CRAIG ; TURNER ANDREW			
Agent(s):	FINNEGAN HENDERSON FARABOW GARRETT AND DUNNER, LLP; FINNEGAN HENDERSON FARABOW GARRETT AND DUNNER LLP			
International class (IPC 8-9):	A61K38/00 A61K38/21 A61K38/38 A61K39/00 A61K39/395 A61P13/12 A61P19/06 A61P3/10 A61P35/00 A61P7/06 C07H14/00 C07H21/04 C07K14/47 C07K14/76 C07K14/765 C07K19/00 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N5/10 C12P21/04 (Advanced/Invention)			
CPC:	A61K31/426 A61K31/4439 A61K31/4965 A61K38/28 A61K38/04 A61K38/17 C07K14/4713 C07K14/505 C07K14/57563 C07K14/635 C07K2319/00 C07K2319/20 C07K2319/31 C12N15/62 C12N2501/335 C07K14/765 A61K31/155 C07K14/435 C07K14/665 C07K14/705 C07K14/82 C12N9/0006 C12Y101/01105 A61K38/00 C07K7/06 C07K14/555 C07K16/241 C07K2317/622 C07K2317/76 C12N9/0008 C12Y102/01 C07K14/4723 C07K14/475 C07K14/50 C07K14/51 C07K14/521 C07K14/525 C07K14/535 C07K14/54 C07K14/5406 C07K14/55 C07K14/56 C07K14/565 C07K14/575 C07K14/5759 C07K14/585 C07K14/60 C07K14/605 C07K14/61 C07K14/62 C07K14/655 C07K16/26 A61K39/21 C07K14/59 C07K14/65 C07K14/7151 C07K16/00 C07K2319/30 C12N7/00 C12N2740/16134 C12N2740/16171 C12Y207/01095 C07K14/005 C12N2740/16111 C12N2740/16122			
European class:	A61K38/04 A61K38/17 C07K14/47A5 C07K14/505 C07K14/575L C07K14/635 C07K14/765 C12N15/62 K61K38/00 M07K319/00 M07K319/31			
US class:	424/185.1 424/192.1 424/85.7 435/320.1 435/320.100S 435/325 435/325S 435/69.7 435/69.700S 514/1.1 514/11.7 514/11.700S 514/12 514/15.2 514/15.200P 514/7.7 514/7.700S 530/351 530/363 530/363S 536/23.4 536/23.5 536/23.500S 536/23.52			

[Classification Explorer](#)

Cited documents: WO9966054, WO9964061 A1, WO9964060 A1, WO9959621 A1, WO9953064 A2, WO9947161 A1, WO9947160 A1, WO9943706 A1, WO9940788 A1, WO9930731 A1, WO9929336 A1, WO9915194 A1, WO9915193, WO9913914, WO9911781 A1, WO9900504, WO9836085, WO9832867 A1, WO9820895 A1, WO9819698 A1, WO9812344, WO9811136 A1, WO9808873 A1, WO9808531 A1, WO9804718, WO9800158 A1, WO9749729 A1, WO9739132, WO9734997, WO9731943 A1, WO9726321 A2, WO9715296 A1, WO9707814 A1, WO9620005 A1, WO9618412, WO9617942 A1, WO9617941 A2, WO9608512, WO9603144 A1, WO9531214 A1, WO9530759, WO9527059, WO9523857, WO9517510 A1, WO9516708 A1, WO9512684 A1, WO9505848 A1, WO9505465 A1, WO9503405 A2, WO9425489, WO9424160 A2, WO9419373 A1, WO9403198, WO9325579 A1, WO9318786 A1, WO9318785 A1, WO9315200, WO9303164, WO9300437, WO9300109 A1, WO9201055 A1, WO9111457 A1, WO9108220, WO9105052 A1, WO9102754, WO9013653, WO9011296 A1, WO9004788, WO9001540 A1, WO9001063 A1, WO8902922, WO8703887, WO8503079 A1, WO8302461 A1, WO05077042, WO05003296, WO05000892, WO03076567 A2, WO03059934, WO03030821 A2, WO03018516 A2, WO03014318 A2, WO03013573 A1, WO03011892 A2, WO03003971 A2, WO03002136 A2, WO0248192 A2, WO0247716 A2, WO0246227 A2, WO0245712 A1, WO0222151 A2, WO02098348 A2, WO02097038 A1, WO02085406 A1, WO02080676 A1, WO02070549 A2, WO02069994 A2, WO02066062 A2, WO0198331 A2, WO0187322 A2, WO0181405 A2, WO0179271 A1, WO0177137, WO0168112 A2, WO0157084 A1, WO0155213 A2, WO0151093 A2, WO0139784 A1, WO0136489 A2, WO0132200 A1, WO0130320 A1, WO0129242 A2, WO0127128 A1, WO0121602 A1, WO0105826 A2, WO0102017 A2, WO0078333 A2, WO0077039 A2, WO0069913 A1, WO0069911 A1, WO0066142 A2, WO0066138 A2, WO0062759 A1, WO0044772, WO0037098 A1, WO0037051 A1, WO0032772 A2, WO0026354 A1, WO0024893 A3, WO0024893 A2, WO0016797 A2, WO0012116 A1, WO0009666 A2, WO0007617 A1, WO0004171, WO0001727 A1, USRE37302 E, US6946134 BA, US6686179 BB, US6610830 BA, US6583111 BA, US6569832 BA, US6514500 BA, US6482613 BA, US6472373 BA, US6461605 BA, US6448225 BB, US6387365 BA, US6348327 BA, US6348192 BA, US6346543 BA, US6340742 BA, US6329336 BA, US6316224 BA, US6312665 BA, US6300065 BA, US6299872 BA, US6294153 BA, US6290987 BA, US6287588 BA, US6284727 BA, US6284725 BA, US6277819 BA, US6271200 BA, US6258377 BA, US6242479 BA, US6239167 BA, US6231882 BA, US6221958 BA, US6221378 BA, US6217893 BA, US6214863 BA, US6214547 BA, US6201072 BA, US6193997 BA, US6191102 BA, US6172046 B1, US6171828 B1, US6165470 A, US6153581 A, US6150337 A, US6150133 A, US6149911 A, US6133235 A, US6130248 A, US6124495 A, US6117949 A, US6114146 A, US6110970 A, US6110955 A, US6110891 A, US6110707 A, US6110703 A, US6087129 A, US6080877 A, US6071923 A, US6069135 A, US6063772 A, US6063373 A, US6054489 A, US6048724 A, US6045788 A, US6034221 A, US6031004 A, US6030961 A, US6017545 A, US6006753 A, US6004573 A, US5985850 A, US5981488 A, US5981485 A, US5981474 A, US5977318 A, US5977071 A, US5968510 A, US5965386 A, US5959075 A, US5952461 A, US5951996 A, US5948428 A, US5939455 A, US5932547 A, US5922761 A, US5922674 A, US5919815 A, US5919651 A, US5912229 A, US5908830 A, US5905143 A, US5889144 A, US5876969 A, US5863555 A, US5861406 A, US5856123 A, US5854018 A, US5849322 A, US5847004 A, US5846774 A, US5844095 A, US5840542 A, US5830452 A, US5824330 A, US5801190 A, US5795777 A, US5795746 A, US5788964 A, US5783423 A, US5780021 A, US5767097 A, US5766883 A, US5766620 A, US5763394 A, US5741815 A, US5739007 A, US5728707 A, US5728553 A, US5726038 A, US5714377 A, US5705363 A, US5702717 A, US5679777 A, US5668007 A, US5667986 A, US5665863 A, US5658568 A, US5646113 A, US5646012 A, US5641663 A, US5639642 A, US5637504 A, US5629286 A, US5625041 A, US5618698 A, US5618676 A, US5612196 A, US5602232 A, US5582822 A, US5574008 A, US5545618 A, US5521086 A, US5512549 A, US5508031 A, US5503993 A, US5460954 A, US5460811 A, US5459031 A, US5432082 A, US5409815 A, US5395922 A, US5380712 A, US5358709 A, US5336603 A, US5330971 A, US5322930 A, US5304473 A, US5302697 A, US5272070 A, US5260202 A, US5256410 A, US5230886 A, US5229109 A, US5223408 A, US5219565 A, US5208018 A, US5187261 A, US5128126 A, US5126129 A, US5116964 A, US5116944 A, US5106954 A, US5102872 A, US5100784 A, US5096885 A, US5096707 A, US5073627 A, US5071872 A, US5066489 A, US5061488 A, US5053389 A, US5045312 A, US5028422 A, US5015575 A, US5010003 A, US5002764 A, US4999339 A, US4970300 A, US4959314 A, US4929442 A, US4925919 A, US4916212 A, US4914027 A, US4914026 A, US4908434 A, US4908433 A, US4840934 A, US4835260 A, US4801575 A, US4792602 A, US4778879 A, US4775622 A, US4765980 A, US4751180 A, US4652525 A, US4499188 A, US4492684 A, US4462940 A, US4450103 A, US4447538 A, US4440859 A, US4407948 A, US4397840 A, US4366246 A, US4363877 A, US4342832 A, US4336248 A, US4283489 A, US4264731 A, US2005266533 AA, US2005266532 AA, US2005244931 AA, US2005100991 AA, US2005054570 AA, US2005054051 AA, US2005048471 AA, US2005037022 AA, US2004171123 AA, US2004121426 AA, US2004086977 AA, US2004086976 AA, US2004063635 AA, US2004018975 AA, US2004010134 AA, US2003219875 AA, US2003199043 AA, US2003143191 AA, US2003125247 AA, US2003108568 AA, US2003108567 AA, US2003104578 AA, US2003082747 AA, US2003054554 AA, US2003036172 AA, US2003036171 AA, US2003036170 AA, US2003022308 AA, US2002193570 AA, US2002106719 AA, US2002048571 AA, US2002037841 AA, US2001046956 AA, US2001021767 AA, US2001014666 AA, US2001011071 AA, US2001006943 AA, US2001002394 AA, JP859509, JP853500, JP8051982, JP638771, JP6022784, JP5292972, JP4211375, JP327320, JP3201987, JP2227079, JP2117384, JP1117790, JP0023459,

Forward Citations: WO18156602, WO17049132, WO15173633, WO14144795, WO14110368, WO13003555, WO12006633, WO11020319, WO100087994, WO100083439, WO10083434, US9982029, US9944691, US9932381, US9867873, US9856468, US9789165, US9775904, US9771406, US9758561, US9751926, US9750788, US9745360, US9694053, US9675676, US9670475, US9670261, US9644021, US9629903, US9623091, US9623088, US9499605, US9486507, US9388231, US9296809, US9241978, US9233145, US9222728, US9221896, US9050318, US8993519, US8993517, US8940501, US8809499, US8513189, US8323634, US8272411, US8252739, US8171652, US8106165, US8071539, US7966746, US7785599, US2013029911, US2011171219, US2010297081, US2010297062, US2010227818, US2010154245, US2009011983, US2008131399, US2008004206, US10233228, US10155803, US10086089, US10023628, US10010622, EP3446700, EP3404105, EP3326643, EP2870250, EP2796425, EP2796425, EP2729161, EP2726494, EP2717898, EP2506868, EP2391714.

The present invention encompasses albumin fusion proteins. Nucleic acid molecules encoding the albumin fusion proteins of the invention are also encompassed by the invention, as are vectors containing these nucleic acids, host cells transformed with these nucleic acids, and methods of making the albumin fusion proteins of the invention and using these nucleic acids, vectors, and/or host cells. Additionally the present invention encompasses pharmaceutical compositions comprising albumin fusion proteins and methods of treating, preventing, or ameliorating diseases, disorders or conditions using albumin fusion proteins of the invention.



Title:	ALBUMIN FUSION PROTEINS					
Priority:	US20010341811P	20011221	US20020350358P	20020124	US20020351360P	20020128
	US20020359370P	20020226	US20020360000P	20020228	US20020367500P	20020327
	US20020370227P	20020408	US20020378950P	20020510	US20020382617P	20020524
	US20020383123P	20020528	US20020385708P	20020605	US20020394625P	20020710
	US20020398008P	20020724	US20020402131P	20020809	US20020402708P	20020813
	US20020411355P	20020918	US20020411426P	20020918	US20020414984P	20021002
	US20020417611P	20021011	US20020420246P	20021023	US20020423623P	20021105
	WO20020450891	20021223	US20040775204	20040211	US20060429373	20060508

Probable Assignee:	HUMAN GENOME SCIENCES INC
Assignee(s): (std):	HUMAN GENOME SCIENCES INC
Inventor(s): (std):	HASELTINE WILLIAM A ; ROSEN CRAIG A ; RUBEN STEVEN M
Inventor(s):	RUBEN STEVEN ; ROSEN CRAIG ; HASELTINE WILLIAM
Agent(s):	FINNEGAN HENDERSON FARABOW GARRETT AND DUNNER, LLP; FINNEGAN HENDERSON FARABOW GARRETT AND DUNNER LLP

International class
(IPC 8-9):

A61K38/00 A61K38/26 A61K38/38 A61K39/395 A61P13/12 A61P19/06 A61P3/10 A61P35/00 A61P7/06
C07H21/04 C07K14/47 C07K14/76 C07K14/765 C07K19/00 C12N1/15 C12N1/19 C12N1/21 C12N15/09
C12N5/10 C12P21/04 (Advanced/Invention)

CPC:

A61K31/426 A61K31/4439 A61K31/4965 A61K38/28 A61K38/04 A61K38/17 C07K14/4713 C07K14/505
C07K14/57563 C07K14/635 C07K2319/00 C07K2319/20 C07K2319/31 C12N15/62 C12N2501/335
C07K14/435 C07K14/665 C07K14/705 C07K14/82 C12N9/0006 C12Y101/01105 C07K14/765
A61K31/155 A61K38/00 C07K7/06 C07K14/555 C07K16/241 C07K2317/622 C07K2317/76 C12N9/0008
C12Y102/01 C07K14/4723 C07K14/475 C07K14/50 C07K14/51 C07K14/521 C07K14/525 C07K14/535
C07K14/54 C07K14/5406 C07K14/55 C07K14/56 C07K14/565 C07K14/575 C07K14/5759 C07K14/585
C07K14/60 C07K14/605 C07K14/61 C07K14/62 C07K14/655 C07K16/26 A61K39/21 C07K14/59
C07K14/65 C07K14/7151 C07K16/00 C07K2319/30 C12N7/00 C12N2740/16134 C12N2740/16171
C12Y207/01095 C07K14/005 C12N2740/16111 C12N2740/16122

European class:

A61K38/04 A61K38/17 C07K14/47A5 C07K14/505 C07K14/575L C07K14/635 C07K14/765 C12N15/62
K61K38/00 M07K319/00 M07K319/31

US class:

514/1.1 514/1.100P 514/11.7 514/12 514/15.2 514/6.8 514/7.2 530/362 530/363

[Classification Explorer](#)

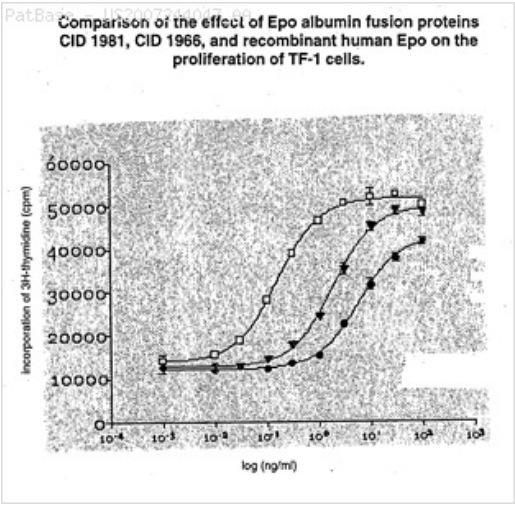
Cited documents:

WO9966054, WO9964061 A1, WO9964060 A1, WO9959621 A1, WO9953064 A2, WO9947161 A1,
WO9947160 A1, WO9943706 A1, WO9940788 A1, WO9930731 A1, WO9929336 A1, WO9928346 A1,
WO9915194 A1, WO9915193, WO9913914, WO9911781 A1, WO9900504, WO9847489 A1, WO9836085,
WO9832867 A1, WO9820895 A1, WO9819698 A1, WO9811136 A1, WO9808531 A1, WO9804718,
WO9800873 A1, WO9800158 A1, WO9749729 A1, WO9739132, WO9734997, WO9731943 A1,
WO9726321 A2, WO9724445, WO9715296 A1, WO9707814 A1, WO9620005 A1, WO9618412,
WO9617942 A1, WO9617941 A2, WO9614416, WO9614409, WO9608512, WO9603144 A1, WO9531214
A1, WO9530759, WO9527059, WO9523857, WO9517510 A1, WO9516708 A1, WO9512684 A1,
WO9505848 A1, WO9505465 A1, WO9503405 A2, WO9425489, WO9424160 A2, WO9419373 A1,
WO9325579 A1, WO9318786 A1, WO9318785 A1, WO9315211, WO9315200, WO9315199, WO9303164,
WO9300437, WO9300109 A1, WO9201055 A1, WO9111457 A1, WO9108220, WO9105052 A1,
WO9102754, WO9013653, WO9011296 A1, WO9004788, WO9001540 A1, WO9001063 A1, WO8902922,
WO8703887, WO8503079 A1, WO8302461 A1, WO8202715 A1, WO05077042, WO05003296,
WO05000892, WO03076567 A2, WO03059934, WO03030821 A2, WO03018516 A2, WO03014318 A2,
WO03013573 A1, WO03011892 A2, WO03003971 A2, WO03002136 A2, WO0248192 A2, WO0247716
A2, WO0246227 A2, WO0245712 A1, WO0222151 A2, WO02098348 A2, WO02097038 A3, WO02085406
A1, WO02080676 A1, WO02070549 A2, WO02069994 A2, WO02066062 A2, WO0198331 A2,
WO0187322 A2, WO0181405 A2, WO0177137, WO0168112 A2, WO0157084 A1, WO0155213 A2,
WO0151093 A2, WO0139784 A1, WO0136489 A2, WO0132200 A1, WO0130320 A1, WO0129242 A2,
WO0127128 A1, WO0121602 A1, WO0105826 A2, WO0102017 A2, WO0078333 A2, WO0077039 A2,
WO0069913 A1, WO0069911 A1, WO0066142 A2, WO0066138 A2, WO0062759 A1, WO0044772,
WO0037098 A1, WO0037051 A1, WO0032772 A2, WO0026354 A1, WO0024893 A3, WO0024893 A2,
WO0023459, WO0016797 A2, WO0012116 A1, WO0009666 A2, WO0007617 A1, WO0004171,
WO0001727 A1, USRE37302 E, US6994857 BB, US6989365 BB, US6987006 BB, US6972322 BB,
US6946134 BA, US6926898 BB, US6905688 BB, US6686179 BB, US6610830 BA, US6583111 BA,
US6569832 BA, US6514500 BA, US6482613 BA, US6472373 BA, US6461605 BA, US6448225 BB,
US6387365 BA, US6348327 BA, US6348192 BA, US6346543 BA, US6340742 BA, US6329336 BA,
US6316224 BA, US6312665 BA, US6300065 BA, US6299872 BA, US6294153 BA, US6290987 BA,
US6287588 BA, US6284727 BA, US6284725 BA, US6277819 BA, US6271200 BA, US6258377 BA,
US6242479 BA, US6239167 BA, US6231882 BA, US6221958 BA, US6221378 BA, US6217893 BA,
US6214863 BA, US6214547 BA, US6201072 BA, US6193997 BA, US6191102 BA, US6172046 B1,
US6171828 BA, US6171828 B1, US6165470 A, US6153581 A, US6150337 A, US6150133 A, US6149911
A, US6133235 A, US6130248 A, US6124495 A, US6117949 A, US6114146 A, US6110970 A, US6110955
A, US6110891 A, US6110707 A, US6110703 A, US6087129 A, US6080877 A, US6071923 A, US6069135
A, US6063772 A, US6063373 A, US6054489 A, US6048724 A, US6045788 A, US6034221 A, US6031004
A, US6030961 A, US6017545 A, US6006753 A, US6004573 A, US5985850 A, US5981488 A, US5981485
A, US5981474 A, US5977318 A, US5977071 A, US5968510 A, US5965386 A, US5959075 A, US5952461
A, US5951996 A, US5948428 A, US5939455 A, US5932547 A, US5922761 A, US5922674 A, US5919815
A, US5919651 A, US5912229 A, US5908830 A, US5905143 A, US5889144 A, US5876969 A, US5863555
A, US5861406 A, US5856123 A, US5854018 A, US5849322 A, US5847004 A, US5846774 A, US5844095
A, US5840542 A, US5830452 A, US5824330 A, US5801190 A, US5795777 A, US5795746 A, US5788964
A, US5783423 A, US5780021 A, US5767097 A, US5766883 A, US5766620 A, US5763394 A, US5741815
A, US5739007 A, US5728707 A, US5728553 A, US5726038 A, US5714377 A, US5705363 A, US5702717
A, US5679777 A, US5668007 A, US5667986 A, US5665863 A, US5658568 A, US5646113 A, US5646012
A, US5641663 A, US5639642 A, US5637504 A, US5629286 A, US5625041 A, US5618698 A, US5618676
A, US5612196 A, US5602232 A, US5582822 A, US5574008 A, US5545618 A, US5521086 A, US5512549
A, US5508031 A, US5503993 A, US5460954 A, US5460811 A, US5459031 A, US5432082 A, US5409815
A, US5395922 A, US5380712 A, US5358709 A, US5336603 A, US5330971 A, US5322930 A, US5304473
A, US5302697 A, US5272070 A, US5260202 A, US5256410 A, US5230886 A, US5229109 A, US5223408
A, US5219565 A, US5208018 A, US5187261 A, US5128126 A, US5126129 A, US5116964 A, US5116944
A, US5106954 A, US5102872 A, US5100784 A, US5096885 A, US5096707 A, US5073627 A, US5071872
A, US5066489 A, US5061488 A, US5053389 A, US5045312 A, US5028422 A, US5015575 A, US5010003
A, US5002764 A, US4999339 A, US4970300 A, US4959314 A, US4929442 A, US4925919 A, US4916212
A, US4914027 A, US4914026 A, US4908434 A, US4908433 A, US4840934 A, US4835260 A, US4801575
A, US4792602 A, US4778879 A, US4775622 A, US4765980 A, US4751180 A, US4652525 A, US4499188
A, US4492684 A, US44662940 A, US4450103 A, US4447538 A, US4440859 A, US4407948 A, US4397840
A, US4366246 A, US4363877 A, US4342832 A, US4336248 A, US4283489 A, US4264731 A,
US2005266533 AA, US2005266532 AA, US2005244931 AA, US2005100991 AA, US2005054570 AA,
US2005054051 AA, US2005048471 AA, US2005037022 AA, US2004121426 AA, US2004063635 AA,
US2004018975 AA, US2004010134 AA, US2003199043 AA, US2003171267 AA, US2003143191 AA,
US2003108568 AA, US2003108567 AA, US2003104578 AA, US2003082747 AA, US2003054554 AA,
US2003036172 AA, US2003036171 AA, US2003036170 AA, US2003022308 AA, US2002193570 AA,
US2002106719 AA, US2002048571 AA, US2002037841 AA, US2001046956 AA, US2001021767 AA,
US2001014666 AA, US2001011071 AA, US2001006943 AA, US2001002394 AA, US1172046 A, JP859509,
JP853500, JP8051982, JP638771, JP6022784, JP5292972, JP4211375, JP327320, JP3201987, JP2227079,
JP2117384, JP1117790, GB2350362 A1, FR2719593, FR2635115, EP1317929 A2,
EP1306092 A2, EP1213029 A1, EP1136075 B1, EP1125579 A2, EP1099441 A2, EP0956861 B1,
EP0946191 B1, EP0903148 B1, EP0889949 B1, EP0771871 A2, EP0764209 B1, EP0751220 A1,
EP0741188 A3, EP0741188 A2, EP0736303 B1, EP0734450 B1, EP0711835 A1, EP0658568 A1,
EP0640619 B1, EP0624195, EP0619322 A2, EP0511912 A1, EP0510693 A2, EP0510678 A2, EP0509841
A2, EP0503583 A1, EP0427296 B1, EP0422697 B1, EP0416673 A1, EP0413622 B1, EP0401384 B1,
EP0399666 B1, EP0395918 A2, EP0366400 A2, EP0364980 B1, EP0361991 A2, EP0347781 B1,
EP0344459 A2, EP0339568 A1, EP0330451 A2, EP0325262 A2, EP0322094 A1, EP0319641 A1,
EP0317254 B1, EP0314317 A1, EP0308381 A1, EP0301670 A1, EP0300466 B1, EP0267208 B1,
EP0252561 A2, EP0244221 A1, EP0241435 B1, EP0241435 A2, EP0237545 B2, EP0237019 A2,
EP0236210 A1, EP0231819 B1, EP0230980 B2, EP0230980 B1, EP0229016 B1, EP0222759 B1,
EP0218825 B1, EP0217404 B1, EP0215658 A2, EP0209539 B1, EP0206733 A1, EP0205564 B2,
EP0201239 B1, EP0201239 A1, EP0196056 B1, EP0195691 B1, EP0172619 A1, EP0169566 B2,
EP0163529 B1, EP0163406 B1, EP0163406 A1, EP0147198 A3, EP0146413 A2, EP0146354 B2,
EP0138437 A2, EP0123544 A2, EP0123294 A1, EP0121884 B1, EP0118617 B1, EP0116201 A1,
EP0106179 B1, EP0091527 A2, EP0088632 A2, EP0079739 A2, EP0077670 B1, EP0073646 A2,
EP0070906 A1, EP0068701 A2, EP0048970 A2, EP0041313 B1, EP0032134 A2, EP0028033 A2,

Cited documents: US6686179 BB, US6514500 BA, US6348327 BA, US6348192 BA, US6346543 BA, US6340742 BA, US6239167 BA, US6231882 BA, US6221958 BA, US6221378 BA, US6217893 BA, US6214863 BA, US6214547 BA, US6201072 BA, US6193997 BA, US6191102 BA, US6172046 BA, US6171828 BA, US6069135 A, US6063772 A, US6063373 A, US6054489 A, US6048724 A, US6045788 A, US6034221 A, US6031004 A, US6030961 A, US6017545 A, US5905143 A, US5889144 A, US5876969 A, US5863555 A, US5861406 A, US5856123 A, US5741815 A, US5739007 A, US5728707 A, US5728553 A, US5726038 A, US5714377 A, US5705363 A, US5629286 A, US5625041 A, US5618698 A, US5618676 A, US5612196 A, US5602232 A, US5521086 A, US5512549 A, US5508031 A, US5503993 A, US5409815 A, US5395922 A, US5380712 A, US5304473 A, US5302697 A, US5208018 A, US5187261 A, US5116964 A, US5116944 A, US5106954 A, US5102872 A, US5100784 A, US5096885 A, US5096707 A, US5015575 A, US5010003 A, US5002764 A, US4999339 A, US4929442 A, US4925919 A, US4916212 A, US4914027 A, US4914026 A, US4908434 A, US4908433 A, US4835260 A, US4801575 A, US4652525 A, US4499188 A, US4492684 A, US4450103 A, US4447538 A, US4440859 A, US4246731 A, US2005054570 AA, US2005048471 AA, US2005037022 AA, US2004063635 AA, US2004018975 AA, US2004010134 AA, US2003054554 AA, US2003036172 AA, US2003036171 AA, US2003036170 AA, US2003022308 AA, US2002048571 AA, US2002037841 AA, US2001002394 AA,

Forward Citations: WO13009545, WO10083434, US9616114, US9382304, US9296809, US9222728, US9221896, US8993519, US8993517, US8513189, US8476408, US8323634, US8272411, US8252739, US8171652, US8106165, US8071539, US7966746, US2011171219, US2011160121, US2010297062, US2010154245, US2010016226, US2009011983, EP2729481, CN104271588, CN102395379, AU2010204547,

Abstract:
The present invention encompasses albumin fusion proteins. Nucleic acid molecules encoding the albumin fusion proteins of the invention are also encompassed by the invention, as are vectors containing these nucleic acids, host cells transformed with these nucleic acids vectors, and methods of making the albumin fusion proteins of the invention and using these nucleic acids, vectors, and/or host cells. Additionally the present invention encompasses pharmaceutical compositions comprising albumin fusion proteins and methods of treating, preventing, or ameliorating diseases, disorders or conditions using albumin fusion proteins of the invention.



15) Family number: 48576840 (US2007259815A) © PatBase

Title:	ALBUMIN FUSION PROTEINS		
Priority:	US20010341811P 20011221	US20020350358P 20020124	US20020351360P 20020128
	US20020359370P 20020226	US20020360000P 20020228	US20020367500P 20020327
	US20020370227P 20020408	US20020378950P 20020510	US20020382617P 20020524
	US20020383123P 20020528	US20020385708P 20020605	US20020394625P 20020710
	US20020398008P 20020724	US20020402131P 20020809	US20020402708P 20020813
	US20020411426P 20020918	US20020411355P 20020918	US20020414984P 20021002
	US20020417611P 20021011	US20020420246P 20021023	US20020423623P 20021105
	WO2002US40891 20021223	US20040775204 20040211	US20060429373 20060508
	US20070783419 20070409		

Family:	Publication number	Publication date	Application number	Application date
	US2007259815 AA	20071108	US20070783419	20070409

Probable Assignee: DELTA BIOTECHNOLOGY LTD

Assignee(s):(std): DELTA BIOTECHNOLOGY LTD ; HUMAN GENOME SCIENCES INC

Assignee(s): DELTA BIOTECHNOLOGY LIMITED

Inventor(s):(std): BALLANCE DAVID J ; HASELTINE WILLIAM A ; ROSEN CRAIG A ; RUBEN STEVEN M ; TURNER ANDREW J

Inventor(s): TURNER ANDREW ; RUBEN STEVEN ; ROSEN CRAIG ; HASELTINE WILLIAM ; BALLANCE DAVID

Agent(s): FINNEGAN HENDERSON FARABOW GARRETT AND DUNNER, LLP; FINNEGAN HENDERSON FARABOW GARRETT AND DUNNER LLP

International class (IPC 8-9): A61K38/00 A61K39/395 A61P13/12 A61P19/06 A61P3/10 A61P35/00 A61P5/50 A61P7/06 C07H21/04 C07K14/47 C07K14/76 C07K14/765 C07K19/00 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N5/10 C12P21/04 (Advanced/Invention)

CPC: A61K31/426 A61K31/4439 A61K31/4965 A61K38/28 A61K38/04 A61K38/17 C07K14/4713 C07K14/505 C07K14/57563 C07K14/635 C07K2319/00 C07K2319/20 C07K2319/31 C12N15/62 C12N2501/335 C07K14/765 A61K31/155 C07K14/435 C07K14/665 C07K14/705 C07K14/82 C12N9/0006 C12Y101/01105 A61K38/00 C07K7/06 C07K14/4723 C07K14/475 C07K14/50 C07K14/51 C07K14/521 C07K14/525 C07K14/535 C07K14/54 C07K14/5406 C07K14/55 C07K14/555 C07K14/56 C07K14/565 C07K14/575 C07K14/5759 C07K14/585 C07K14/60 C07K14/605 C07K14/61 C07K14/62 C07K14/655 C07K16/241 C07K16/26 C07K2317/622 C07K2317/76 C12N9/0008 C12Y102/01 A61K39/21 C07K14/59 C07K14/65 C07K14/7151 C07K16/00 C07K2319/30 C12N7/00 C12N2740/16134 C12N2740/16171 C12Y207/01095 C07K14/005 C12N2740/16111 C12N2740/16122

European class: A61K38/04 A61K38/17 C07K14/47A5 C07K14/505 C07K14/575L C07K14/635 C07K14/765 C12N15/62 K61K38/00 M07K319/00 M07K319/31

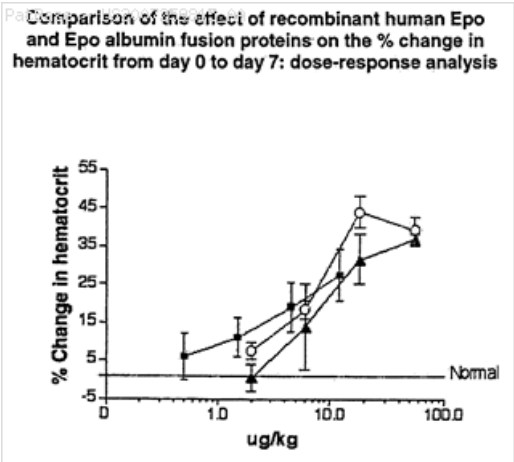
US class: 514/11.7 514/11.700S 514/12 514/15.2 514/15.200S 514/6.7 514/6.700P 514/6.8 514/6.800S 514/7.7 514/7.700S

[Classification Explorer](#)

Cited documents: US6686179 BB, US6514500 BA, US6348327 BA, US6348192 BA, US6346543 BA, US6340742 BA, US6239167 BA, US6231882 BA, US6221958 BA, US6221378 BA, US6217893 BA, US6214863 BA, US6214547 BA, US6201072 BA, US6193997 BA, US6191102 BA, US6172046 BA, US6171828 BA, US6069135 A, US6063772 A, US6063373 A, US6054489 A, US6048724 A, US6045788 A, US6034221 A, US6031004 A, US6030961 A, US6017545 A, US5905143 A, US5889144 A, US5876969 A, US5863555 A, US5861406 A, US5856123 A, US5741815 A, US5739007 A, US5728707 A, US5728553 A, US5726038 A, US5714377 A, US5705363 A, US5629286 A, US5625041 A, US5618698 A, US5618676 A, US5612196 A, US5602232 A, US5521086 A, US5512549 A, US5508031 A, US5503993 A, US5409815 A, US5395922 A, US5380712 A, US5304473 A, US5302697 A, US5208018 A, US5187261 A, US5116964 A, US5116944 A, US5106954 A, US5102872 A, US5100784 A, US5096885 A, US5096707 A, US5015575 A, US5010003 A, US5002764 A, US4999339 A, US4929442 A, US4925919 A, US4916212 A, US4914027 A, US4914026 A, US4908434 A, US4908433 A, US4835260 A, US4801575 A, US4652525 A, US4499188 A, US4492684 A, US4450103 A, US4447538 A, US4440859 A, US4264731 A, US2005054570 AA, US2005048471 AA, US2005037022 AA, US2004063635 AA, US2004018975 AA, US2004010134 AA, US2003054554 AA, US2003036172 AA, US2003036171 AA, US2003036170 AA, US2003022308 AA, US2002048571 AA, US2002037841 AA, US2001002394 AA,

Forward Citations: US9296809, US9222728, US9221896, US8993517, US8513189, US8272411, US8252739, US8171652, US8143026, US8106165, US8071539, US7977306, US7966746, US7785599, US7569384, US2011171219, US2010093627, US2009011983, US2008293629, US2008131399, US2008004206, US2007027306,

Abstract:
The present invention encompasses albumin fusion proteins. Nucleic acid molecules encoding the albumin fusion proteins of the invention are also encompassed by the invention, as are vectors containing these nucleic acids, host cells transformed with these nucleic acids vectors, and methods of making the albumin fusion proteins of the invention and using these nucleic acids, vectors, and/or host cells. Additionally the present invention encompasses pharmaceutical compositions comprising albumin fusion proteins and methods of treating, preventing, or ameliorating diseases, disorders or conditions using albumin fusion proteins of the invention.



16) Family number: 48576842 (US2008146503A)

© PatBase

Title:	ALBUMIN FUSION PROTEINS			
Priority:	US20010341811P	20011221	US20020350358P	20020124
	US20020359370P	20020226	US20020360000P	20020228
	US20020370227P	20020408	US20020378950P	20020510
	US20020383123P	20020528	US20020385708P	20020605
	US20020398008P	20020724	US20020402131P	20020809
	US20020411355P	20020918	US20020411426P	20020918
	US20020417611P	20021011	US20020420246P	20021023
	WO2002US40891	20021223	US20040775204	20040211
	US20070772643	20070702	US20060429373	20060508
	US20070772643	20070702		

Family:	Publication number	Publication date	Application number	Application date
	US2008146503 AA	20080619	US20070772643	20070702
	US7799759 BB	20100921	US20070772643	20070702

Probable Assignee: DELTA BIOTECHNOLOGY LTD
Assignee(s):(std): DELTA BIOTECHNOLOGY LTD ; HUMAN GENOME SCIENCES INC
Assignee(s): DELTA BIOTECHNOLOGY LIMITED
Inventor(s):(std): BALLANCE DAVID J ; HASELTINE WILLIAM A ; ROSEN CRAIG A ; RUBEN STEVEN M ; TURNER ANDREW J

Agent(s): FINNEGAN HENDERSON FARABOW GARRETT AND DUNNER LLP

International class (IPC 8-9): A61K38/00 A61K39/395 A61P13/12 A61P19/06 A61P3/10 A61P35/00 A61P43/00 A61P7/06 C07H21/04 C07K14/00 C07K14/47 C07K14/76 C07K14/765 C07K19/00 C12N1/15 C12N1/19 C12N1/21 C12N15/00 C12N15/09 C12N15/11 C12N5/06 C12N5/10 C12P21/04 (Advanced/Invention)

CPC: A61K31/426 A61K31/4439 A61K31/4965 A61K38/28 A61K38/04 A61K38/17 C07K14/4713 C07K14/505 C07K14/57563 C07K14/635 C07K2319/00 C07K2319/20 C07K2319/31 C12N15/62 C12N2501/335 C07K14/765 A61K31/155 C07K14/435 C07K14/665 C07K14/705 C07K14/82 C12N9/0006 C12Y101/01105 A61K38/00 C07K7/06 C07K14/555 C07K16/241 C07K2317/622 C07K2317/76 C12N9/0008 C12Y102/01 C07K14/4723 C07K14/475 C07K14/50 C07K14/51 C07K14/521 C07K14/525 C07K14/535 C07K14/54 C07K14/5406 C07K14/55 C07K14/56 C07K14/565 C07K14/575 C07K14/5759 C07K14/585 C07K14/60 C07K14/605 C07K14/61 C07K14/62 C07K14/655 C07K16/26 A61K39/21 C07K14/59 C07K14/65 C07K14/7151 C07K16/00 C07K2319/30 C12N7/00 C12N2740/16134 C12N2740/16171 C12Y207/01095 C07K14/005 C12N2740/16111 C12N2740/16122

European class: A61K38/04 A61K38/17 C07K14/47A5 C07K14/505 C07K14/575L C07K14/635 C07K14/765 C12N15/62

US class:

435/320.1 435/320.100S 435/325 435/325S 514/1.3 514/1.300S 514/11.3 514/11.300S 514/11.7
514/12 514/15.2 514/15.200P 514/17.9 514/17.900S 514/19.3 514/19.300S 514/3.7 514/3.700S
514/4.3 514/4.300S 514/5.9 514/5.900S 514/7.2 514/7.7 514/7.700S 530/362 530/362S 530/363
536/23.5 536/23.500S

[Classification Explorer](#)**Cited documents:**

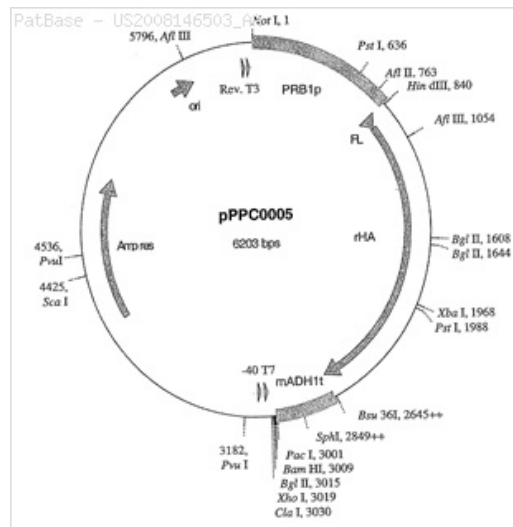
WO9943706 A1, WO9832867 A1, WO9820895 A1, WO9819698 A1, WO9812344 A1, WO9811136 A1,
WO9731943 A1, WO9726321 A2, WO9724445 A1, WO9503405 A2, WO9403198 A1, WO9315199 A1,
WO9001540 A1, WO9001063 A1, WO05077042 A2, WO05003296 A2, WO05000892 A2, WO03060071
A2, WO03059934 A2, WO03030821 A2, WO0246227 A2, WO02097038 A3, WO02097038 A2,
WO02070549 A2, WO0179444 A2, WO0179443 A2, WO0179271 A1, WO0177137 A1, US7410779 BB,
US7271149 BB, US7238667 BB, US7238660 BB, US7211557 BB, US7189690 BB, US7141547 BB,
US7094577 BB, US7081354 BB, US7056701 BB, US7045318 BB, US7041478 BB, US6994857 BB,
US6989365 BB, US6987006 BB, US6972322 BB, US6946134 BA, US6926898 BB, US6905688 BB,
US6686179 BB, US6583111 BA, US6514500 BA, US6458924 BB, US6300065 BA, US6214547 BA,
US6191102 BA, US6165470 A, US6110707 A, US6110703 A, US6087129 A, US5959075 A, US5912229 A,
US5876969 A, US5795746 A, US5766883 A, US5726038 A, US5668007 A, US5665863 A, US5646012 A,
US5639642 A, US5612196 A, US5545618 A, US5380712 A, US5322930 A, US2009029914 AA,
US2008213886 AA, US2008194484 AA, US2008194481 AA, US2008004206 AA, US2007299006 AA,
US2007027306 AA, US2007026013 AA, US2006166329 AA, US2006084794 AA, US2006014254 AA,
US2005266533 AA, US2005266532 AA, US2005244931 AA, US2005100991 AA, US2005054051 AA,
US2005048471 AA, US2005037022 AA, US2004010134 AA, US2003199043 AA, US2003171267 AA,
US2003143191 AA, US2003142191 AA, US2003054554 AA, EP1306092 A2, EP0946191 B1, EP0624195
B1, EP0591524 A1, EP0413622 B1, CA2070781 AA,

Forward Citations:

US9982029, US9932381, US9789165, US9775904, US9771406, US9758561, US9751926, US9750788,
US9745360, US9694053, US9670261, US9499605, US9388231, US9296809, US9222728, US9221896,
US8993517, US8513189, US8272411, US8252739, US8171652, US8143026, US8106165, US8071539,
US7966746, US2010154245, US2010093627, US2009011983, US2008039773, US2008028632,
US10155803, EP2796425, EP2796425,

Abstract:

The present invention encompasses albumin fusion proteins. Nucleic acid molecules encoding the albumin fusion proteins of the invention are also encompassed by the invention, as are vectors containing these nucleic acids, host cells transformed with these nucleic acids vectors, and methods of making the albumin fusion proteins of the invention and using these nucleic acids, vectors, and/or host cells. Additionally the present invention encompasses pharmaceutical compositions comprising albumin fusion proteins and methods of treating, preventing, or ameliorating diseases, disorders or conditions using albumin fusion proteins of the invention.

**17) Family number: 48576843 (US2008153751A)**

© PatBase

Title:	ALBUMIN FUSION PROTEINS																											
Priority:	US20010341811P 20011221		US20020350358P 20020124		US20020351360P 20020128																							
	US20020359370P 20020226		US20020360000P 20020228		US20020367500P 20020327																							
	US20020370227P 20020408		US20020378950P 20020510		US20020382617P 20020524																							
	US20020383123P 20020528		US20020385708P 20020605		US20020394625P 20020710																							
	US20020398008P 20020724		US20020402131P 20020809		US20020402708P 20020813																							
	US20020411355P 20020918		US20020411426P 20020918		US20020414984P 20021002																							
	US20020417611P 20021011		US20020420246P 20021023		US20020423623P 20021105																							
	WO2002US40891 20021223		US20040775204 20040211		US20060429276 20060508																							
	US20070929828 20071030																											
Family:	<table><tr><th>Publication number</th><th>Publication date</th><th>Application number</th><th>Application date</th><th></th><th></th></tr><tr><td>US2008153751 AA</td><td>20080626</td><td>US20070929828</td><td>20071030</td><td></td><td></td></tr><tr><td>US8012464 BB</td><td>20110906</td><td>US20070929828</td><td>20071030</td><td></td><td></td></tr></table>										Publication number	Publication date	Application number	Application date			US2008153751 AA	20080626	US20070929828	20071030			US8012464 BB	20110906	US20070929828	20071030		
Publication number	Publication date	Application number	Application date																									
US2008153751 AA	20080626	US20070929828	20071030																									
US8012464 BB	20110906	US20070929828	20071030																									
Probable Assignee:	NOVOZYMES INC																											
Assignee(s):(std):	DELTA BIOTECHNOLOGY LTD ; HUMAN GENOME SCIENCES INC																											
Assignee(s):	NOVOZYMES BIOPHARMA DK A S ; NOVOZYMES BIOPHARMA UK LTD ; NOVOZYMES DELTA LTD ; NOVOZYMES INC ; DELTA BIOTECHNOLOGY LIMITED																											
Inventor(s):(std):	HASLTINE WILLIAM A ; BALLANCE DAVID J ; ROSEN CRAIG A ; TURNER ANDREW J ; RUBEN STEVEN M																											
Agent(s):	FINNEGAN HENDERSON FARABOW GARRETT AND DUNNER LLP																											
International class (IPC 8-9):	A61K38/00 A61K39/00 A61K39/395 A61K45/00 A61P13/12 A61P19/06 A61P3/10 A61P35/00 A61P43/00 A61P7/06 C07H21/04 C07K14/47 C07K14/535 C07K14/76 C07K14/765 C07K16/00 C07K19/00 C12N1/00 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N5/00 C12N5/02 C12N5/10 C12P21/02 C12P21/04 (Advanced/Invention)																											

CPC: A61K31/426 A61K31/4439 A61K31/4965 A61K38/28 A61K38/04 A61K38/17 C07K14/4713 C07K14/505 C07K14/57563 C07K14/635 C07K2319/00 C07K2319/20 C07K2319/31 C12N15/62 C12N2501/335 C07K14/765 A61K31/155 C07K14/435 C07K14/665 C07K14/705 C07K14/82 C12N9/0006 C12Y101/01105 A61K38/00 C07K7/06 C07K14/555 C07K16/241 C07K2317/622 C07K2317/76 C12N9/0008 C12Y102/01 C07K14/4723 C07K14/475 C07K14/50 C07K14/51 C07K14/521 C07K14/525 C07K14/535 C07K14/54 C07K14/5406 C07K14/55 C07K14/56 C07K14/565 C07K14/575 C07K14/5759 C07K14/585 C07K14/60 C07K14/605 C07K14/61 C07K14/62 C07K14/655 C07K16/26 A61K39/21 C07K14/59 C07K14/65 C07K14/7151 C07K16/00 C07K2319/30 C12N7/00 C12N2740/16134 C12N2740/16171 C12Y207/01095 C07K14/005 C12N2740/16111 C12N2740/16122

European class: A61K38/04 A61K38/17 C07K14/47A5 C07K14/505 C07K14/575L C07K14/635 C07K14/765 C12N15/62 K61K38/00 M07K319/00 M07K319/31

US class: 424/192.1 424/85.1 424/85.100P 435/254.2 435/255.1 435/255.100S 435/325 435/325S 435/360 435/365.1 435/69.5 435/69.6 435/69.600S 435/69.7 514/12 514/15.2 514/15.200S 514/19.6 514/19.600S 514/2.3 514/2.300S 514/20.9 514/20.900S 514/7.9 514/7.900S 514/9.4 514/9.400S 530/351 530/362 530/362S 536/23.4 536/23.400S

[Classification Explorer](#)

Cited documents: WO9966054 A2, WO9900504 A1, WO9618412 A1, WO9530759 A1, WO9403618 A1, WO9315211 A1, WO9315199 A1, WO9300437 A1, WO9001063 A1, WO07021494 A3, WO07021494 A2, WO05077042 A2, WO05003296 A2, WO03059934 A2, WO03030821 A2, WO03013573 A1, WO02097038 A3, WO02097038 A2, WO0179444 A3, WO0179444 A2, WO0179443 A2, WO0179442 A2, WO0179271 A1, WO0179258 A1, WO0177137 A1, US7482013 BB, US7189690 BB, US7056701 BB, US7041478 BB, US6994857 BB, US6989365 BB, US6987006 BB, US6972322 BB, US6946134 BA, US6926898 BB, US6905688 BB, US6686179 BB, US6348327 BA, US5876969 A, US5714377 A, US5667986 A, US5665863 A, US5646012 A, US5616474 A, US5223408 A, US5116944 A, US5013824 A, US2006105429 AA, US2006084794 AA, US2006014254 AA, US2005266533 AA, US2005266532 AA, US2005244931 AA, US2005239167 AA, US2005100991 AA, US2005054570 AA, US2005054051 AA, US2004086977 AA, US2004086976 AA, US2004063635 AA, US2004010134 AA, US2003199043 AA, US2003143191 AA, US2003125247 AA, US2003082747 AA, US2003036170 AA, US2003022308 AA, GB2350362 A1, GB2193631 A1, FR2719593 A1, EP0624195 B1, EP0511912 A1, EP0237545 B2, EP0231819 B1, EP0230980 B2, EP0230980 B1, EP0217404 B1, EP0169566 B2, DE3723781 A1,

Forward Citations: WO18144623, WO18112362, WO17136358, WO16070050, WO16065301, WO16061286, WO16046301, WO14147489, WO10083439, WO10083434, US9982029, US9969998, US9944691, US9932381, US9789165, US9775904, US9771406, US9758776, US9758561, US9751926, US9750788, US9745360, US9694053, US9670261, US9486507, US9376672, US9296809, US9222728, US9221896, US8993519, US8993517, US8558546, US8513189, US8323634, US8272411, US8252739, US8171652, US8106165, US8071539, US7966746, US2013029911, US2012262165, US2012213728, US2010297062, US2010227818, US2010154245, US2009011983, US2008039773, US2008028632, US10233228, US10202595, US10138291, EP2822577, EP2796425, EP2796425, EP2717898, EA023344, CN102395379, AU2014202190, AU2010204552,

Abstract:
The present invention encompasses albumin fusion proteins. Nucleic acid molecules encoding the albumin fusion proteins of the invention are also encompassed by the invention, as are vectors containing these nucleic acids, host cells transformed with these nucleic acids vectors, and methods of making the albumin fusion proteins of the invention and using these nucleic acids, vectors, and/or host cells. Additionally the present invention encompasses pharmaceutical compositions comprising albumin fusion proteins and methods of treating, preventing, or ameliorating diseases, disorders or conditions using albumin fusion proteins of the invention.

PatBase - US2008153751_AA

1	GAT	GCA	CAC	AGT	AGT	GAG	GTT	GCT	CAT	CGG	TTT	AAA	GAT	TTG	GGA	GAA	AAT	TTC	AAA	60
1	D	A	H	K	S	E	V	A	H	R	F	K	D	L	G	E	H	F	K	20
61	GCC	TTG	GTC	TTG	ATT	GCC	TTT	GCT	CAG	TAT	CTT	CAG	CAG	TGT	CCA	TTT	GAA	GAT	CAT	120
21	A	L	V	L	T	A	F	A	Q	Y	L	Q	Q	C	F	F	E	D	H	40
121	AAA	TTA	GTC	AAT	GAA	GTA	ACT	GAA	TTT	GCA	AAA	ACA	TGT	GTT	GCT	GAT	GAG	TCA	GTA	180
41	K	L	V	H	E	V	T	E	F	A	K	T	C	V	A	D	E	S	A	60
181	AAT	TGT	GAC	AAA	TCA	CTT	CAT	ACC	CTT	TTT	GGA	GAC	AAA	TTA	TGC	AGT	GTT	GCA	ACT	240
61	N	C	D	K	S	L	H	T	L	F	G	D	K	L	C	T	V	A	T	80
241	CCT	GAA	ACC	TAT	GTT	GAA	ATG	GCT	GAC	TGC	TGT	GCA	AAA	GAA	CGT	GAG	AGA	AAT	GAA	300
81	R	S	T	Y	G	E	H	A	D	C	C	A	K	Q	S	E	F	H	R	100
301	TGC	TTT	TTG	CAA	CAC	AAA	GAT	GAC	AAC	GCA	AAC	CTC	CCC	GGA	TTG	AGA	CCA	GAG	GTT	360
101	C	F	L	Q	H	K	D	D	N	F	M	L	P	R	L	V	R	P	E	120
361	GAT	GTC	ATG	TGC	ACT	GCT	TTT	CAT	GAC	AAT	GAA	GAG	ACA	TGT	TTG	AAA	TAC	TTA	TAT	420
121	D	V	H	C	T	A	F	H	D	H	E	T	F	L	K	K	Y	L	Y	140
421	GAA	ATT	GTC	AGA	ACA	CAT	GCT	TAC	TTT	TAT	GCC	CCG	GAA	CTC	CTT	TTT	CTT	AAA	AGG	480
141	H	T	A	H	R	H	F	Y	F	Y	A	P	E	L	L	F	F	A	K	160

18) Family number: 48576844 (US2008161243A)

© PatBase

Title:	ALBUMIN FUSION PROTEINS			
Priority:	US20010341811P	20011221	US20020350358P	20020124
	US20020359370P	20020226	US20020360000P	20020228
	US20020370227P	20020408	US20020378950P	20020510
	US20020383123P	20020528	US20020385708P	20020605
	US20020398008P	20020724	US20020402131P	20020809
	US20020411355P	20020918	US20020411426P	20020918
	US20020417611P	20021011	US20020420246P	20021023
	WO2002US40891	20021223	US20040775204	20040211
	US20070929714	20071030		
Family:	Publication number	Publication date	Application number	Application date
	US2008161243 AA	20080703	US20070929714	20071030
Probable Assignee:	DELTA BIOTECHNOLOGY LTD			
Assignee(s):(std):	DELTA BIOTECHNOLOGY LTD ; HUMAN GENOME SCIENCES INC			
Assignee(s):	DELTA BIOTECHNOLOGY LIMITED			
Inventor(s):(std):	BALLANCE DAVID J ; HASELTINE WILLIAM A ; ROSEN CRAIG A ; RUBEN STEVEN M ; TURNER ANDREW J			
Agent(s):	FINNEGAN HENDERSON FARABOW GARRETT AND DUNNER LLP			
International class (IPC 8-9):	A61K38/00 A61K39/395 A61P13/12 A61P19/06 A61P3/10 A61P35/00 A61P43/00 A61P7/06 C07H21/04 C07K14/47 C07K14/76 C07K14/765 C07K16/00 C07K19/00 C12N1/15 C12N1/19 C12N1/21 C12N15/09			

C12N5/00 C12N5/02 C12N5/10 C12P21/04 (Advanced/Invention)

CPC: A61K31/426 A61K31/4439 A61K31/4965 A61K38/28 A61K38/04 A61K38/17 C07K14/4713 C07K14/505 C07K14/57563 C07K14/635 C07K2319/00 C07K2319/20 C07K2319/31 C12N15/62 C12N2501/335 C07K14/765 A61K31/155 C07K14/435 C07K14/665 C07K14/705 C07K14/82 C12N9/0006 C12Y101/01105 A61K38/00 C07K7/06 C07K14/4723 C07K14/475 C07K14/50 C07K14/51 C07K14/521 C07K14/525 C07K14/535 C07K14/54 C07K14/5406 C07K14/55 C07K14/555 C07K14/56 C07K14/565 C07K14/575 C07K14/5759 C07K14/585 C07K14/60 C07K14/605 C07K14/61 C07K14/62 C07K14/655 C07K16/241 C07K16/26 C07K2317/622 C07K2317/76 C12N9/0008 C12Y102/01 A61K39/21 C07K14/59 C07K14/65 C07K14/7151 C07K16/00 C07K2319/30 C12N7/00 C12N2740/16134 C12N2740/16171 C12Y207/01095 C07K14/005 C12N2740/16111 C12N2740/16122

European class: A61K38/04 A61K38/17 C07K14/47A5 C07K14/505 C07K14/575L C07K14/635 C07K14/765 C12N15/62 K61K38/00 M07K319/00 M07K319/31

US class: 435/255.1 435/255.100S 435/325 435/325S 435/69.6 435/69.600S 514/12 514/12.4 514/12.400P 514/15.2 514/15.200S 514/16.4 514/16.400S 530/362 530/362S 536/23.4 536/23.400S

[Classification Explorer](#)

Cited documents: US7521424 BB, US7141547 BB, US7138371 BB, US6946134 BA, US6348327 BA, US5876969 A, US5223408 A, US2009099073 AA, US2008167238 AA, US2007162986 AA, US2007048282 AA, US2006014254 AA, US2005186664 AA, US2003187226 AA, US2003147918 AA, US2001027181 AA,

Forward Citations: WO18144623, WO18112362, WO17136358, WO16070050, WO16065301, WO16061286, WO16046301, US9969998, US9758776, US9486507, US9376672, US9296809, US9266939, US9222728, US9221896, US8993517, US8513189, US8272411, US8252739, US8171652, US8106165, US8071539, US7966746, US2010154245, US2009011983, US2008039773, US2008028632, US10202595, US10138291, US10052366, EP2822577, EP2717898,

Abstract:

The present invention encompasses albumin fusion proteins. Nucleic acid molecules encoding the albumin fusion proteins of the invention are also encompassed by the invention, as are vectors containing these nucleic acids, host cells transformed with these nucleic acids vectors, and methods of making the albumin fusion proteins of the invention and using these nucleic acids, vectors, and/or host cells. Additionally the present invention encompasses pharmaceutical compositions comprising albumin fusion proteins and methods of treating, preventing, or ameliorating diseases, disorders or conditions using albumin fusion proteins of the invention.

PatBase - US2008161243_AA

```
1 GAT GCA CAC AAG ATT GAG GTT GCT CAT CGG TTT AAA GAT TTG GGA GAA GAA ANT TTC AAA 60
1D A H K E E V A M H E F K D L G E E N F X 20

61 GGC TTG GTG TTG ATT GGC TTT GCT CAG TAT CTT CAG CAG TGT GCA TTT GAA GAT CAT GTA 120
21 A L V L T A F A Q Y L Q Q C P F E D H V 40

121 AAA TTA GTG AAT GAA GTA ACT GAA TTT GCA AAA ACA TGT GTT GCT GAT GAG TCA OCT GAA 180
41 K L V H E V T E F A K T C V A D E S A E 60

181 AAT TGT GAC AAA TCA CTT CAT ACC CTT TTT GGA GAC AAA TTA TGC ACA GTT GCA ACT CTT 240
61 N C D K S L H T L F G D K L C T V A T L 80

241 CTT GAA ACC TAT GGT GAA ATG GCT GAC TGC TGT GCA AAA GAA GAA OCT GAG AGA ANT GAA 300
81 K E T Y G E H A D C C A K Q E F E A H E 100

301 TGC TTG TTG CAA CAC AAA GAT GAT AAC GCA AAC CTC CCC CGA TTG GTG AGA GCA GAG GTT 360
101 C F L Q H K D D N F H L F R L V R P E V 120

361 GAT GTG ATG TGC ACT GCT TTT CAT GAC AAT GAA GAG ACA TTT TTA AAA TAC TAC TAT 420
121 D V H C T A F H D H E E T F L K K Y L Y 140

421 GAA ATT GCT AGA AGA CAT OCT TAC TTT TAT GGC CGG GAA CTC CTT TTC TTT OCT AAA AGG 480
141 H T A R E H F Y F Y A F E L L F F A K R 160
```

19) Family number: 48576845 (US2008167238A)

© PatBase

Title:	ALBUMIN FUSION PROTEINS			
Priority:	US20010341811P	20011221	US20020351360P	20020128
	US20020360000P	20020228	US20020367500P	20020327
	US20020378950P	20020510	US20020382617P	20020524
	US20020385708P	20020605	US20020394625P	20020710
	US20020402131P	20020809	US20020402708P	20020813
	US20020411426P	20020918	US20020414984P	20021002
	US20020420246P	20021023	US20020423623P	20021105
	US20040775204	20040211	US20060429276	20060508
Family:			US20020359370P	20020226
			US20020370227P	20020408
			US20020383123P	20020528
			US20020398008P	20020724
			US20020411355P	20020918
			US20020417611P	20021011
			WO2002US40891	20021223
			US20070929912	20071030

Publication number	Publication date	Application number	Application date
US2008167238 AA	20080710	US20070929912	20071030

Probable Assignee: HUMAN GENOME SCIENCES INC
Assignee(s):(std): DELTA BIOTECHNOLOGY LTD ; HUMAN GENOME SCIENCES INC
Assignee(s): DELTA BIOTECHNOLOGY LIMITED
Inventor(s):(std): HASELTINE WILLIAM A ; BALLANCE DAVID J ; ROSEN CRAIG A ; TURNER ANDREW J ; RUBEN STEVEN M
Agent(s): FINNEGAN HENDERSON FARABOW GARRETT AND DUNNER LLP
International class (IPC 8-9): A61K38/00 A61P43/00 C07H21/04 C07K14/47 C07K14/765 C07K16/00 C12N5/00 C12N5/04 C12P21/04 (Advanced/Invention)
CPC: C07K14/4713 C07K14/765
European class: C07K14/47A5 C07K14/765
US class: 435/255.1 435/255.100S 435/325 435/325S 435/69.7 435/69.700S 514/11.4 514/11.400S 514/12 514/15.2 514/15.200S 514/15.4 514/15.400S 514/16.5 514/16.500S 514/16.9 514/16.900S 514/3.8 514/3.800P 514/5.1 514/5.100S 514/7.4 514/7.400S 514/9.8 514/9.800S 530/363 530/363S 536/23.4 536/23.400S

[Classification Explorer](#)

Cited documents: US7550432 BB, US7045318 BB, US5876969 A, US2003187226 AA, US2003166865 AA, US2003147918 AA,

Forward Citations: US9976166, US9938331, US9926351, US9925257, US9884108, US9849188, US9849162, US9821039, US9775888, US9758776, US9540430, US9376672, US9371369, US9296809, US9249211, US9222728, US9221896, US9168312, US9062299, US8993517, US8957021, US8933197, US8765915, US8716448, US8703717, US8680050, US8673860, US8642542, US8557961, US8513189, US8492530, US8272411, US8252739, US8171652, US8143026, US8106165, US8071539, US7966746, US2016354462,

US2014162954, US2013028930, US2011172146, US2011171687, US2011151433, US2011077199, US2011046061, US2011046060, US2010323956, US2010268055, US2010261650, US2010260706, US2010189682, US2010154245, US2010093627, US2009092582, US2009011983, US2008269125, US2008161243, US2008039773, US2008028632, US10233228, US10172953, US10080785, US10000543,

Abstract:

The present invention encompasses albumin fusion proteins. Nucleic acid molecules encoding the albumin fusion proteins of the invention are also encompassed by the invention, as are vectors containing these nucleic acids, host cells transformed with these nucleic acids vectors, and methods of making the albumin fusion proteins of the invention and using these nucleic acids, vectors, and/or host cells. Additionally the present invention encompasses pharmaceutical compositions comprising albumin fusion proteins and methods of treating, preventing, or ameliorating diseases, disorders or conditions using albumin fusion proteins of the invention.

PatBase - US2008167238_AA
1 GAT GGA CAC AAG AGT GAG GTT GCT CAT CGG TTT AAA GAT TTG GGA GAA AAT TTC AAA 60
10 D A N K S E V A R R K D L G E E N F K 20
61 GCT TTG GTG TTG ATT GCT TTT GCT CAT TAT CTT CAG CAG TGT CGA TTT GAA GAT CAT GTA 120
21 A L V L I A F A Q Y L Q Q C F F E D H V 40
121 AAA TTA GTG AAT GAA GTA ACT GAA TTT GCA AAA ACA TGT GTT GCT GAT GAG TCA GCT GAA 180
41 K L V N E V T E F A K T C V A D E S A E 60
181 AAT TGT GAC AAA TGA CTT CAT ACC CTT TTT GGA GAC AAA TTA TGC ACA GTT GCA ACT CTT 240
61 N C D K S L H T L F G D K L C T V A T L 80
241 CTT GAA ACC TAT GGT GAA ATG GCT GAC TGC TGT GCA AAA CAA GAA CTT GAG AGA AAT GAA 300
81 R E T Y G E M A D C C A K Q E F E R N E 100
301 TGC TTC TTG GAA CAC AAA GAT GAC AAC CCA AAC CTC CCC CGA TTG GTG AGA CCA GAG GTT 360
101 C F L Q H K D D N F N L F R L V R P E V 120
361 GAT GTG ATG TGC ACT GCT TTT CAT GAC AAT GAA GAG ACA TTT TTG AAA AAA TAC TTA TAT 420
121 D V M C T A F H D N E E T F L K K Y L Y 140
421 GAA ATT GCT AGA AGA CAT CTT TAC TTT TAT GCT CGG GAA CTC CTT TTC TTT GCT AAA AGG 480
141 E I A R R N P T F T A F E L L F F A K R 160

20) Family number: 48576846 (US2008167239A)

© PatBase

Title: ALBUMIN FUSION PROTEINS

Priority: US20010341811P 20011221 US20020350358P 20020124 US20020351360P 20020128
US20020359370P 20020226 US20020360000P 20020228 US20020367500P 20020327
US20020370227P 20020408 US20020378950P 20020510 US20020382617P 20020524
US20020383123P 20020528 US20020385708P 20020605 US20020394625P 20020710
US20020398008P 20020724 US20020402131P 20020809 US20020402708P 20020813
US20020411355P 20020918 US20020411426P 20020918 US20020414984P 20021002
US20020417611P 20021011 US20020420246P 20021023 US20020423623P 20021105
WO2002US40891 20021223 US20040775204 20040211 US20060429276 20060508
US20070929939 20071030

Family:	Publication number	Publication date	Application number	Application date
	US2008167239 AA	20080710	US20070929939	20071030
	US8211439 BB	20120703	US20070929939	20071030

Probable Assignee: HUMAN GENOME SCIENCES INC

Assignee(s):(std): BLONDEL OLIVIER ; DELTA BIOTECHNOLOGY LTD ; HUMAN GENOME SCIENCES INC ; ROSEN CRAIG A ; RUBEN STEVEN M

Assignee(s): DELTA BIOTECHNOLOGY LIMITED

Inventor(s):(std): BALLANCE DAVID J ; HASELTINE WILLIAM A ; ROSEN CRAIG A ; RUBEN STEVEN M ; TURNER ANDREW J ; BLONDEL OLIVIER

Agent(s): FINNEGAN HENDERSON FARABOW GARRETT AND DUNNER LLP; FINNEGAN HENDERSON FARBOW GARRETT AND DUNNER LLP

International class (IPC 8-9): A61K38/00 A61K38/28 A61K39/00 A61K39/395 A61P13/12 A61P19/06 A61P3/10 A61P35/00 A61P43/00 A61P7/06 C07H21/04 C07K14/47 C07K14/76 C07K14/765 C07K16/00 C07K19/00 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N15/17 C12N5/00 C12N5/02 C12N5/10 C12P21/02 C12P21/04 (Advanced/Invention)

CPC: A61K31/426 A61K31/4439 A61K31/4965 A61K38/28 A61K38/04 A61K38/17 C07K14/4713 C07K14/505 C07K14/57563 C07K14/635 C07K2319/00 C07K2319/20 C07K2319/31 C12N15/62 C12N2501/335 C07K14/765 A61K31/155 C07K14/435 C07K14/665 C07K14/705 C07K14/82 C12N9/0006 C12Y101/01105 A61K38/00 C07K7/06 C07K14/555 C07K16/241 C07K2317/622 C07K2317/76 C12N9/0008 C12Y102/01 C07K14/4723 C07K14/475 C07K14/50 C07K14/51 C07K14/521 C07K14/525 C07K14/535 C07K14/54 C07K14/5406 C07K14/55 C07K14/56 C07K14/565 C07K14/575 C07K14/5759 C07K14/585 C07K14/60 C07K14/605 C07K14/61 C07K14/62 C07K14/655 C07K16/26 A61K39/21 C07K14/59 C07K14/65 C07K14/7151 C07K16/00 C07K2319/30 C12N7/00 C12N2740/16134 C12N2740/16171 C12Y207/01095 C07K14/005 C12N2740/16111 C12N2740/16122

European class: A61K38/04 A61K38/17 C07K14/47A5 C07K14/505 C07K14/575L C07K14/635 C07K14/765 C12N15/62 K61K38/00 M07K319/00 M07K319/31

US class: 424/192.1 424/198.1 435/255.1 435/255.100S 435/325 435/325S 435/69.4 435/69.6 435/69.600S 435/69.7 514/12 514/13.2 514/13.200S 514/15.2 514/15.200S 514/16.4 514/16.400S 514/2.3 514/2.300S 514/20.8 514/20.800S 514/4.8 514/4.800S 514/5.9 514/5.900P 514/7.3 514/7.300S 530/362 530/362S 530/399 536/23.4 536/23.400S 536/23.51

[Classification Explorer](#)

Cited documents: WO9966054 A2, WO9919339 A1, WO9724445 A1, WO9530759 A1, WO9315199 A1, WO9001063 A1, WO03059934 A2, WO03030821 A2, WO03013573 A1, WO0246227 A2, WO02097038 A2, WO02070549 A2, WO0179444 A2, WO0179443 A2, WO0179442 A2, WO0179271 A1, WO0179258 A1, WO0177137 A1, WO0105826 A2, WO0069911 A1, US7550432 BB, US7482013 BB, US7435410 BB, US7271149 BB, US7189690 BB, US7138371 BB, US7094577 BB, US7056701 BB, US7045318 BB, US7041478 BB, US7026447 BB, US6994857 BB, US6989365 BB, US6987006 BB, US6972322 BB, US6946134 BA, US6926898 BB, US6905688 BB, US6686179 BB, US6514500 BA, US6300065 BA, US6165470 A, US5959075 A, US5876969 A, US5844095 A, US5705363 A, US5668007 A, US5667986 A, US5665863 A, US5633146 A, US5521086 A, US5506120 A, US5503993 A, US5223408 A, US4801575 A, US4765980 A, US4492684 A, US2008267962 AA, US2006105429 AA, US2006084794 AA, US2005266533 AA, US2005266532 AA, US2005244931 AA, US2005239167 AA, US2005100991 AA, US2005054570 AA, US2005054051 AA, US2005048471 AA, US2004086977 AA, US2004086976 AA, US2004063635 AA, US2004053370 AA, US2004010134 AA, US2003219875 AA, US2003199043 AA, US2003143191 AA, US2003125247 AA, US2003104578 AA, US2003082747 AA, US2003036171 AA, US2003036170 AA,

US2003022308 AA, US2002048571 AA, FR2719593 A1, EP2277889 A2, EP0624195 B1, EP0591524 A1, EP0509841 A2, EP0413622 B1, CA2070781 AA, CA2022539 AA,

Forward Citations: WO14093354, WO12174056, US9982029, US9932381, US9925246, US9789165, US9775904, US9771406, US9758561, US9751926, US9750788, US9745360, US9694053, US9670261, US9409662, US9296809, US9222728, US9221896, US8993517, US8513189, US8272411, US8252739, US8171652, US8106165, US8071539, US7966746, US2010154245, US2009011983, US2008039773, US2008028632, EP2796425, EP2796425,

Abstract:

The present invention encompasses albumin fusion proteins. Nucleic acid molecules encoding the albumin fusion proteins of the invention are also encompassed by the invention, as are vectors containing these nucleic acids, host cells transformed with these nucleic acids vectors, and methods of making the albumin fusion proteins of the invention and using these nucleic acids, vectors, and/or host cells. Additionally the present invention encompasses pharmaceutical compositions comprising albumin fusion proteins and methods of treating, preventing, or ameliorating diseases, disorders or conditions using albumin fusion proteins of the invention.

PatBase - US2008167239 Aa

```
1 GAT GCA CAC AAG AGT GAG GTT GCT GAT GAG TTT AAA GAT TTG GGA GAA GAA ATT TTC AAA 60
1 D A H K S E V A K R F R D L G E E N F E 20

41 GCT TTG GTG TTG ATT GCT GCT GAT GAT TAT CTT GAG GAG TTG GCA TTT GAA GAT GAT GTA 120
21 A L Y L I A F A Q Y L Q Q C P F E D E V 40

121 AAA TTA GTG AAT GAA GGA ACT GAA TTT GCA AAA ACA TGT GTT GCT GAT GAG TCA GCT GAA 180
41 K L V N E V T E F A K T C V A D E S A E 60

181 AAT TGT GAC AAA TCA CTT GAT ACC CTT TTT GGA GAC AAA TTA TGC ACA GTT GCA ACT CTT 240
41 N C D K S L H T L F G D R L C T V A T L 80

241 GCT GAA ACC TAT GGT GAA AGT GCT GAC TGC TTT GCA AAA GAA GAA GCT GAG AGA AAT GAA 300
41 K S T Y T G E H A D C C A K Q E F Y H R H E 100

301 TGC TTC TTG GAA CAC AAA GAT GAC AAC GCA AAC CTC CCC GGA TTG GTG AGA CCA GAG GTT 360
101 C F L Q H K D D N F N L P H L V H P E V 120

361 GAT GTG ATG TGC ACT GCT TTT GAT GAC AAT GAA GAC ACA TTT TTG AAA AAA TAC TTA TAT 420
121 D V M C T A F N D N H E E T F L K K Y L Y 140

421 GAA APT GCT AGA AGA CAT CTT TAC TTT TAT CCC GGA GTC CTT TTC TTT GCT AAA AGG 480
141 E I A K R E P Y F Y A P E L L F F A K R 160
```

21) Family number: 48576847 (US2008167240A)

© PatBase

Title:	ALBUMIN FUSION PROTEINS			
Priority:	US20010341811P 20011221	US20020350358P 20020124	US20020351360P 20020128	
	US20020359370P 20020226	US20020360000P 20020228	US20020367500P 20020327	
	US20020370227P 20020408	US20020378950P 20020510	US20020382617P 20020524	
	US20020383123P 20020528	US20020385708P 20020605	US20020394625P 20020710	
	US20020398008P 20020724	US20020402131P 20020809	US20020402708P 20020813	
	US20020411355P 20020918	US20020411426P 20020918	US20020414984P 20021002	
	US20020417611P 20021011	US20020420246P 20021023	US20020423623P 20021105	
	WO2002US40891 20021223	US20040775204 20040211	US20060429276 20060508	
	US20070929953 20071030			
Family:	Publication number	Publication date	Application number	Application date
	US2008167240 AA	20080710	US20070929953	20071030
Probable Assignee:	DELTA BIOTECHNOLOGY LTD			
Assignee(s):(std):	DELTA BIOTECHNOLOGY LTD ; HUMAN GENOME SCIENCES INC			
Assignee(s):	DELTA BIOTECHNOLOGY LIMITED			
Inventor(s):(std):	BALLANCE DAVID J ; HASELTINE WILLIAM A ; ROSEN CRAIG A ; RUBEN STEVEN M ; TURNER ANDREW J			
Agent(s):	FINNEGAN HENDERSON FARABOW GARRETT AND DUNNER LLP			
International class (IPC 8-9):	A61K38/00 A61K39/395 A61P13/12 A61P19/06 A61P3/10 A61P35/00 A61P43/00 A61P7/06 C07H21/04 C07K14/47 C07K14/76 C07K14/765 C07K16/00 C07K19/00 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N5/00 C12N5/04 C12N5/10 C12P21/04 (Advanced/Invention)			
CPC:	A61K31/426 A61K31/4439 A61K31/4965 A61K38/28 A61K38/04 A61K38/17 C07K14/4713 C07K14/505 C07K14/57563 C07K14/635 C07K2319/00 C07K2319/20 C07K2319/31 C12N15/62 C12N2501/335 C07K14/765 A61K31/155 C07K14/435 C07K14/665 C07K14/705 C07K14/82 C12N9/0006 C12Y101/01105 A61K38/00 C07K7/06 C07K14/4723 C07K14/475 C07K14/50 C07K14/51 C07K14/521 C07K14/525 C07K14/535 C07K14/54 C07K14/5406 C07K14/55 C07K14/555 C07K14/56 C07K14/565 C07K14/575 C07K14/5759 C07K14/585 C07K14/60 C07K14/605 C07K14/61 C07K14/62 C07K14/655 C07K16/241 C07K16/26 C07K2317/622 C07K2317/76 C12N9/0008 C12Y102/01 A61K39/21 C07K14/59 C07K14/65 C07K14/7151 C07K16/00 C07K2319/30 C12N7/00 C12N2740/16134 C12N2740/16171 C12Y207/01095 C07K14/005 C12N2740/16111 C12N2740/16122			
European class:	A61K38/04 A61K38/17 C07K14/47A5 C07K14/505 C07K14/575L C07K14/635 C07K14/765 C12N15/62 K61K38/00 M07K319/00 M07K319/31			
US class:	435/255.1 435/255.100S 435/326 435/326S 435/69.7 435/69.700S 514/12 514/13.7 514/13.700S 514/15.2 514/15.200S 514/15.4 514/15.400S 514/7.7 514/7.700P 530/362 530/362S 530/363 530/363S 536/23.4 536/23.400S			

[Classification Explorer](#)

Cited documents: US7138371 BB, US7101971 BB, US6989365 BB, US6987006 BB, US6946134 BA, US5876969 A, US2005158832 AA, US2004143857 AA, US2003187226 AA, US2003147918 AA,

Forward Citations: US9296809, US9222728, US9221896, US8993517, US8513189, US8272411, US8252739, US8171652, US8106165, US8071539, US7966746, US2010154245, US2009011983, US2008039773, US2008028632,

Abstract:

The present invention encompasses albumin fusion proteins. Nucleic acid molecules encoding the albumin fusion proteins of the invention are also encompassed by the invention, as are vectors containing these nucleic acids, host cells transformed with these nucleic acids vectors, and methods of making the albumin fusion proteins of the invention and using these nucleic acids, vectors, and/or host cells. Additionally the present invention encompasses pharmaceutical compositions comprising albumin fusion proteins and methods of treating, preventing, or ameliorating diseases, disorders or conditions using albumin fusion proteins of the invention.

PatBase - US2008167240 BB
1 GAT GCA CAC AAG AGT GAG GTT GCT GAT CGG TTT AAA GAT TTG GGA GAA GAA AAT TTC AAA 60
1 D A H K E E V A H K F K D L G E E N F K X 20

41 GCT TTG GTG TTG ATT GCT GCT GCT CAG TAC CTT CAG CAG TGT CCA TTT GAA GAT GAT GTA 120
21 A L V L I A F A Q Y L Q Q C P F E D H V 40

121 AAA TTA GTG AAT GAA GTA ACT GAA TTT GCA AAA ACA CTT GCT GAT GAG TCA OCT GAA 180
41 K L V N E V T E F A K T C V A D E S A E 60

181 AAT TGT GAC AAA TCA CTT CAT ACC CTT TTT GGA GAC AAA TTA TAC ACA GTT GCA ACT TTT 240
61 N C D K S L N T L F G D L C T V A T L 80

241 GGT GAA ACC TAT GGT GAA ATG GCT GAC TGC TOT GCA AAA GAA GAA CCG AGA AAT GAA 300
81 R E T Y G E M A D C C A K Q E P E R R N E 100

301 TGC TTC TTG GAA CAC AAA GAT GAC AAC CCA AAC CTC CCC GGA TTG GTG GGA CCA GAG GTT 360
101 C F L Q E K X D D N F N L P R L V R P E V 120

361 GAT GTG ATG TGC ACT GCT TTT CAT GAC AAT GAA GAG ACA TTT TTG AAA AAC TAC TTA TAT 420
121 D V N C T A F H D N E E T F L K K Y L Y 140

421 GAA ATT GCT AGA AGA CAT GAT TAC TTT TAT GCT CCG GAA CTC CTT TTC TTT GCT AAA AGG 480
141 E I A R R R H F Y F Y A P E L L F F A K R 160

22) Family number: 48576849 (US2008213886A)

© PatBase

Title:	ALBUMIN FUSION PROTEINS															
Priority:	US20010341811P 20011221	US20020350358P 20020124	US20020351360P 20020128													
	US20020359370P 20020226	US20020360000P 20020228	US20020367500P 20020327													
	US20020370227P 20020408	US20020378950P 20020510	US20020382617P 20020524													
	US20020383123P 20020528	US20020385708P 20020605	US20020394625P 20020710													
	US20020398008P 20020724	US20020402131P 20020809	US20020402708P 20020813													
	US20020411355P 20020918	US20020411426P 20020918	US20020414984P 20021002													
	US20020417611P 20021011	US20020420246P 20021023	US20020423623P 20021105													
	WO2002US40891 20021223	US20040775204 20040211	US20060429374 20060508													
Family:	<table><tr><th>Publication number</th><th>Publication date</th><th>Application number</th><th>Application date</th></tr><tr><td>US2008213886 AA</td><td>20080904</td><td>US20060429374</td><td>20060508</td></tr><tr><td>US7847079 BB</td><td>20101207</td><td>US20060429374</td><td>20060508</td></tr></table>				Publication number	Publication date	Application number	Application date	US2008213886 AA	20080904	US20060429374	20060508	US7847079 BB	20101207	US20060429374	20060508
Publication number	Publication date	Application number	Application date													
US2008213886 AA	20080904	US20060429374	20060508													
US7847079 BB	20101207	US20060429374	20060508													
Probable Assignee:	HUMAN GENOME SCIENCES INC															
Assignee(s):(std):	HUMAN GENOME SCIENCES INC															
Inventor(s):(std):	HASELTINE WILLIAM A ; ROSEN CRAIG A ; RUBEN STEVEN M															
Agent(s):	FINNEGAN HENDERSON FARABOW GARRETT AND DUNNER LLP															
International class (IPC 8-9):	A61K38/00 A61K39/395 A61P13/12 A61P19/06 A61P3/10 A61P35/00 A61P7/06 C07H21/04 C07K14/47 C07K14/76 C07K14/765 C07K19/00 C12N1/15 C12N1/19 C12N1/21 C12N15/00 C12N15/09 C12N5/00 C12N5/06 C12N5/10 C12P21/04 (Advanced/Invention)															
CPC:	A61K31/426 A61K31/4439 A61K31/4965 A61K38/28 A61K38/04 A61K38/17 C07K14/4713 C07K14/505 C07K14/57563 C07K14/635 C07K2319/00 C07K2319/20 C07K2319/31 C12N15/62 C12N2501/335 C07K14/765 A61K31/155 C07K14/435 C07K14/665 C07K14/705 C07K14/82 C12N9/0006 C12Y101/01105 A61K38/00 C07K7/06 C07K14/555 C07K16/241 C07K2317/622 C07K2317/76 C12N9/0008 C12Y102/01 C07K14/4723 C07K14/475 C07K14/50 C07K14/51 C07K14/521 C07K14/525 C07K14/535 C07K14/54 C07K14/5406 C07K14/55 C07K14/56 C07K14/565 C07K14/575 C07K14/5759 C07K14/585 C07K14/60 C07K14/605 C07K14/61 C07K14/62 C07K14/655 C07K16/26 A61K39/21 C07K14/59 C07K14/65 C07K14/7151 C07K16/00 C07K2319/30 C12N7/00 C12N2740/16134 C12N2740/16171 C12Y207/01095 C07K14/005 C12N2740/16111 C12N2740/16122															
European class:	A61K38/04 A61K38/17 C07K14/47A5 C07K14/505 C07K14/575L C07K14/635 C07K14/765 C12N15/62 K61K38/00 M07K319/00 M07K319/31															
US class:	435/252.3 435/254.1 435/254.2 435/254.200S 435/320.1 435/320.100S 435/325 435/325S 435/358 435/358P 435/365.1 435/69.7 536/23.4 536/23.400S															

[Classification Explorer](#)

Cited documents:	WO9966054, WO9964061 A1, WO9964060 A1, WO9959621 A1, WO9953064 A2, WO9947161 A1, WO9947160 A1, WO9943706 A1, WO9940788 A1, WO9930731 A1, WO9929336 A1, WO9928346 A1, WO9915194 A1, WO9915193, WO9913914, WO9911781 A1, WO9900504, WO9847489 A1, WO9836085, WO9832867 A1, WO9820895 A1, WO9819698 A1, WO9811136 A1, WO9808873 A1, WO9808531 A1, WO9804718, WO9800158 A1, WO9749729 A1, WO9739132, WO9734997, WO9731943 A1, WO9726321 A2, WO9724445, WO9715296 A1, WO9707814 A1, WO9620005 A1, WO9618412, WO9617942 A1, WO9617941 A2, WO9614416, WO9614409, WO9608512, WO9603144 A1, WO9531214 A1, WO9530759, WO9527059, WO9523857, WO9517510 A1, WO9516708 A1, WO9512684 A1, WO9505848 A1, WO9505465 A1, WO9503405 A2, WO9425489, WO9424160 A2, WO9419373 A1, WO9325579 A1, WO9318786 A1, WO9318785 A1, WO9315211, WO9315200, WO9315199, WO9303164, WO9300437, WO9300109 A1, WO9201055 A1, WO9111457 A1, WO9108220, WO9105052 A1, WO9102754, WO9013653, WO9011296 A1, WO9004788, WO9001540 A1, WO9001063 A1, WO8902922, WO8703887, WO8503079 A1, WO8302461 A1, WO8202715 A1, WO05077042, WO05003296, WO05000892, WO03076567 A2, WO03059934, WO03030821 A2, WO03018516 A2, WO03014318 A2, WO03013573 A1, WO03011892 A2, WO03003971 A2, WO03002136 A2, WO0248192 A2, WO0247716 A2, WO0246227 A2, WO0245712 A1, WO0222151 A2, WO02098348 A2, WO02097038 A3, WO02085406 A1, WO02080676 A1, WO02070549 A2, WO02069994 A2, WO02066062 A2, WO0198331 A2, WO0187322 A2, WO0181405 A2, WO0179271 A1, WO0177137, WO0168112 A2, WO0157084 A1, WO0155213 A2, WO0151093 A2, WO0139784 A1, WO0136489 A2, WO0132200 A1, WO0130320 A1, WO0129242 A2, WO0127128 A1, WO0121602 A1, WO0105826 A2, WO0102017 A2, WO0078333 A2, WO0077039 A2, WO0069913 A1, WO0069911 A1, WO0066142 A2, WO0066138 A2, WO0062759 A1, WO0044772, WO0037098 A1, WO0037051 A1, WO0032772 A2, WO0026354 A1, WO0024893 A3, WO0024893 A2, WO0023459, WO0016797 A2, WO0012116 A1, WO0009666 A2, WO0007617 A1, WO0004171, WO0001727 A1, USRE37302 E, US7141547 BB, US6946134 BA, US6686179 BB, US6610830 BA, US6583111 BA, US6569832 BA, US6514500 BA, US6482613 BA, US6472373 BA, US6461605 BA, US6448225 BB, US6387365 BA, US6348327 BA, US6348192 BA, US6346543 BA, US6340742 BA, US6329336 BA, US6316224 BA, US6312665 BA, US6300065 BA, US6299872 BA, US6294153 BA, US6290987 BA, US6287588 BA, US6284727 BA, US6284725 BA, US6277819 BA, US6271200 BA, US6258377 BA, US6242479 BA, US6239167 BA, US6231882 BA, US6221958 BA, US6221378 BA, US6217893 BA, US6214863 BA, US6214547 BA, US6201072 BA, US6193997 BA, US6191102 BA, US6172046 BA, US6172046 B1, US6171828 BA, US6171828 B1, US6165470 A, US6153581 A, US6150337 A, US6150133 A, US6149911 A, US6133235 A, US6130248 A, US6124495 A, US6117949 A, US6114146 A, US6110970 A, US6110955 A, US6110891 A, US6110707 A, US6110703 A, US6087129 A, US6080877 A, US6071923 A, US6069135 A, US6063772 A, US6063373 A, US6054489 A, US6048724 A, US6045788 A, US6034221
------------------	---

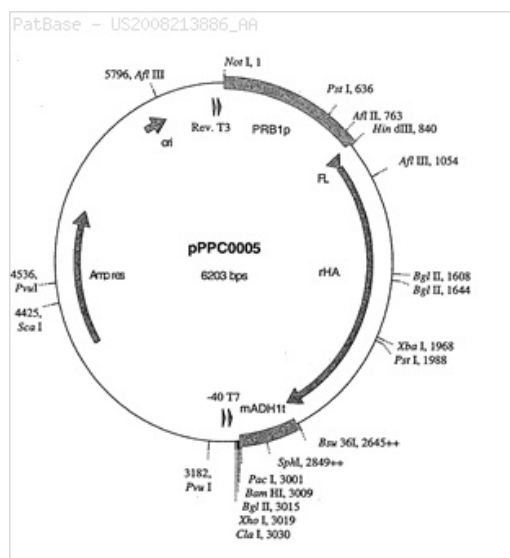
A, US6031004 A, US6030961 A, US6017545 A, US6006753 A, US6004573 A, US5985850 A, US5981488 A, US5981485 A, US5981474 A, US5977318 A, US5977071 A, US5968510 A, US5965386 A, US5959075 A, US5952461 A, US5951996 A, US5948428 A, US5939455 A, US5932547 A, US5922761 A, US5922674 A, US5919815 A, US5919651 A, US5912229 A, US5908830 A, US5905143 A, US5889144 A, US5876969 A, US5863555 A, US5861406 A, US58556123 A, US5854018 A, US5849322 A, US5847004 A, US5846774 A, US5844095 A, US5840542 A, US5830452 A, US5824330 A, US5801190 A, US5795777 A, US5795746 A, US5788964 A, US5783423 A, US5780021 A, US5767097 A, US5766883 A, US5766620 A, US5763394 A, US5741815 A, US5739007 A, US5728707 A, US5728553 A, US5726038 A, US5714377 A, US5705363 A, US5702717 A, US5679777 A, US5668007 A, US5667986 A, US5665863 A, US5658568 A, US5646113 A, US5646012 A, US5641663 A, US5639642 A, US5637504 A, US5629286 A, US5625041 A, US5618698 A, US5618676 A, US5612196 A, US5602232 A, US5582822 A, US5574008 A, US5545618 A, US5521086 A, US5512549 A, US5508031 A, US5506120 A, US5503993 A, US5460954 A, US5460811 A, US5459031 A, US5432082 A, US5409815 A, US5395922 A, US5380712 A, US5358709 A, US5336603 A, US5330971 A, US5322930 A, US5304473 A, US5302697 A, US5272070 A, US5260202 A, US5256410 A, US5230886 A, US5229109 A, US5223408 A, US5219565 A, US5208018 A, US5187261 A, US5128126 A, US5126129 A, US5116964 A, US5116944 A, US5106954 A, US5102872 A, US5100784 A, US5096885 A, US5096707 A, US5073627 A, US5071872 A, US5066489 A, US5061488 A, US5053389 A, US5045312 A, US5028422 A, US5015575 A, US5010003 A, US5002764 A, US4999339 A, US4970300 A, US4959314 A, US4929442 A, US4925919 A, US4916212 A, US4914027 A, US4914026 A, US4908434 A, US4908433 A, US4840934 A, US4835260 A, US4801575 A, US4792602 A, US4778879 A, US4775622 A, US4765980 A, US4751180 A, US4652525 A, US4499188 A, US4492684 A, US4462940 A, US4450103 A, US4447538 A, US4440859 A, US4407948 A, US4397840 A, US4366246 A, US4363877 A, US4342832 A, US4336248 A, US4283489 A, US4264731 A, US2007027306 AA, US2005266533 AA, US2005266532 AA, US2005244931 AA, US2005100991 AA, US2005054570 AA, US2005054051 AA, US2005048471 AA, US2005037022 AA, US2004171123 AA, US2004121426 AA, US2004086977 AA, US2004086976 AA, US2004063635 AA, US2004018975 AA, US2004010134 AA, US2003219875 AA, US2003199043 AA, US2003171267 AA, US2003143191 AA, US2003125247 AA, US2003108568 AA, US2003108567 AA, US2003104578 AA, US2003082747 AA, US2003054554 AA, US2003036172 AA, US2003036171 AA, US2003036170 AA, US2003022308 AA, US2002193570 AA, US2002106719 AA, US2002048571 AA, US2002037841 AA, US2001046956 AA, US2001021767 AA, US2001014666 AA, US2001011071 AA, US2001006943 AA, US2001002394 AA, JP859509, JP853500, JP8051982, JP638771, JP6022784, JP5292972, JP4211375, JP327320, JP3201987, JP2227079, JP2117384, JP1117790, GB2350362 A1, GB2193631 A1, FR2719593, FR2635115, EP1317929 A2, EP1306092 A2, EP1213029 A1, EP1136075 B1, EP1125579 A2, EP1099441 A2, EP0956861 B1, EP0946191 B1, EP0903148 B1, EP0889949 B1, EP0771871 A2, EP0764209 B1, EP0751220 A1, EP0741188 A3, EP0741188 A2, EP0736303 B1, EP0734450 B1, EP0711835 A1, EP0658568 A1, EP0640619 B1, EP0624195, EP0619322 A2, EP0511912 A1, EP0510693 A2, EP0510678 A2, EP0509841 A2, EP0503583 A1, EP0427296 B1, EP0422697 B1, EP0416673 A1, EP0413622 B1, EP0401384 B1, EP0399666 B1, EP0395918 A2, EP0366400 A2, EP0364980 B1, EP0361991 A2, EP0347781 B1, EP0344459 A2, EP0339568 A1, EP0330451 A2, EP0325262 A2, EP0322094 A1, EP0319641 A1, EP0317254 B1, EP0314317 A1, EP0308381 A1, EP0301670 A1, EP0300466 B1, EP0267208 B1, EP0252561 A2, EP0244221 A1, EP0241435 B1, EP0241435 A2, EP0237545 B2, EP0237019 A2, EP0236210 A1, EP0231819 B1, EP0230980 B2, EP0230980 B1, EP0229016 B1, EP0222279 B1, EP0218825 B1, EP0217404 B1, EP0215658 A2, EP0209539 B1, EP0206733 A1, EP0205564 B2, EP0201239 B1, EP0201239 A1, EP0196056 B1, EP0195691 B1, EP0172619 A1, EP0169566 B2, EP0163529 B1, EP0163406 B1, EP0163406 A1, EP0147198 A3, EP0146413 A2, EP0146354 B2, EP0138437 A2, EP0123544 A2, EP0123294 A1, EP0121884 B1, EP0118617 B1, EP0116201 A1, EP0106179 B1, EP0091527 A2, EP0088632 A2, EP0079739 A2, EP0077670 B1, EP0073646 A2, EP0070906 A1, EP0068701 A2, EP0048970 A2, EP0041313 B1, EP0032134 A2, EP0028033 A2, EP0022242 B1, DE3723781 A1, DE19921537 A1, CN1239103 A, CN1235981 A, CA2309810 AA, CA2270320, CA2022539, CA1341211, AU741964 B2, AU704594,

Forward Citations:

WO15173633, US9982029, US9932381, US9789165, US9775904, US9771406, US9758561, US9751926, US9750788, US9745360, US9694053, US9670261, US9616114, US9296809, US9222728, US9221896, US9089312, US8993517, US8513189, US8272411, US8252739, US8171652, US8143026, US8106165, US8071539, US7977306, US7966746, US7799759, US2013029911, US2010154245, US2010093627, US2009011983, US2008293629, US2008146503, EP2796425, EP2796425, CN102816244, CN102453095,

Abstract:

The present invention encompasses albumin fusion proteins. Nucleic acid molecules encoding the albumin fusion proteins of the invention are also encompassed by the invention, as are vectors containing these nucleic acids, host cells transformed with these nucleic acids vectors, and methods of making the albumin fusion proteins of the invention and using these nucleic acids, vectors, and/or host cells. Additionally the present invention encompasses pharmaceutical compositions comprising albumin fusion proteins and methods of treating, preventing, or ameliorating diseases, disorders or conditions using albumin fusion proteins of the invention.

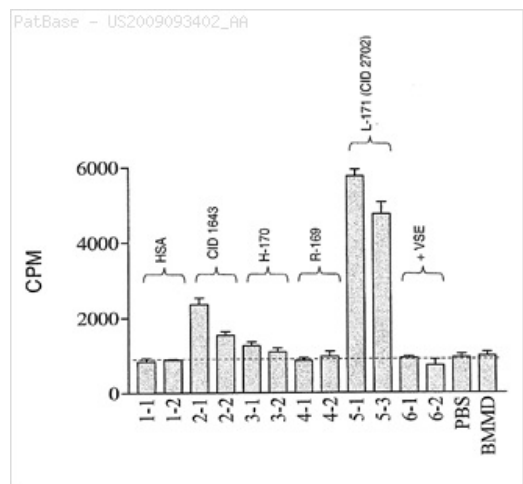


Priority: US20010341811P 20011221 US20020350358P 20020124 US20020351360P 20020128
US20020359370P 20020226 US20020360000P 20020228 US20020367500P 20020327
US20020370227P 20020408 US20020378950P 20020510 US20020382617P 20020524
US20020383123P 20020528 US20020385708P 20020605 US20020394625P 20020710
US20020398008P 20020724 US20020402131P 20020809 US20020402708P 20020813
US20020411355P 20020918 US20020411426P 20020918 US20020414984P 20021002
US20020417611P 20021011 US20020420246P 20021023 US20020423623P 20021105
WO2002US40891 20021223 US20040775204 20040211 US20060429276 20060508
US20070929702 20071030

Family:	Publication number	Publication date	Application number	Application date
	US2009093402 AA	20090409	US20070929702	20071030

Probable Assignee: DELTA BIOTECHNOLOGY LTD
Assignee(s):(std): DELTA BIOTECHNOLOGY LTD ; HUMAN GENOME SCIENCES INC
Assignee(s): DELTA BIOTECHNOLOGY LIMITED
Inventor(s):(std): BALLANCE DAVID J ; HASELTINE WILLIAM A ; ROSEN CRAIG A ; RUBEN STEVEN M ; TURNER ANDREW J
Agent(s): FINNEGAN HENDERSON FARABOW GARRETT AND DUNNER LLP
International class (IPC 8-9): A61K38/00 A61K39/395 A61P13/12 A61P19/06 A61P3/10 A61P35/00 A61P43/00 A61P7/06 C07H21/00 C07H21/04 C07K14/00 C07K14/47 C07K14/76 C07K14/765 C07K19/00 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N5/10 C12P21/04 (Advanced/Invention)
CPC: A61K31/426 A61K31/4439 A61K31/4965 A61K38/28 A61K38/04 A61K38/17 C07K14/4713 C07K14/505 C07K14/57563 C07K14/635 C07K2319/00 C07K2319/20 C07K2319/31 C12N15/62 C12N2501/335 C07K14/765 A61K31/155 C07K14/435 C07K14/665 C07K14/705 C07K14/82 C12N9/0006 C12Y101/01105 A61K38/00 C07K7/06 C07K14/4723 C07K14/475 C07K14/50 C07K14/51 C07K14/521 C07K14/525 C07K14/535 C07K14/54 C07K14/5406 C07K14/55 C07K14/555 C07K14/56 C07K14/565 C07K14/575 C07K14/5759 C07K14/585 C07K14/60 C07K14/605 C07K14/61 C07K14/62 C07K14/655 C07K16/241 C07K16/26 C07K2317/622 C07K2317/76 C12N9/0008 C12Y102/01 A61K39/21 C07K14/59 C07K14/65 C07K14/7151 C07K16/00 C07K2319/30 C12N7/00 C12N2740/16134 C12N2740/16171 C12Y207/01095 C07K14/005 C12N2740/16111 C12N2740/16122
European class: A61K38/04 A61K38/17 C07K14/47A5 C07K14/505 C07K14/575L C07K14/635 C07K14/765 C12N15/62 K61K38/00 M07K319/00 M07K319/31
US class: 514/1.1 514/12 514/6.9 514/6.900P 530/362 530/362S 536/23.5 536/23.500S
[Classification Explorer](#)
Cited documents: US5876969 A,
Forward Citations: US9296809, US9222728, US9221896, US8993517, US8765915, US8513189, US8272411, US8252739, US8171652, US8106165, US8071539, US7966746, US2010154245, US2009011983, US2008039773, US2008028632,

Abstract:
The present invention encompasses albumin fusion proteins. Nucleic acid molecules encoding the albumin fusion proteins of the invention are also encompassed by the invention, as are vectors containing these nucleic acids, host cells transformed with these nucleic acids vectors, and methods of making the albumin fusion proteins of the invention and using these nucleic acids, vectors, and/or host cells. Additionally the present invention encompasses pharmaceutical compositions comprising albumin fusion proteins and methods of treating, preventing, or ameliorating diseases, disorders or conditions using albumin fusion proteins of the invention.



24) Family number: 48576852 (US2009099073A)

© PatBase

Title: ALBUMIN FUSION PROTEINS
Priority: US20010341811P 20011221 US20020350358P 20020124 US20020351360P 20020128
US20020359370P 20020226 US20020360000P 20020228 US20020367500P 20020327
US20020370227P 20020408 US20020378950P 20020510 US20020382617P 20020524
US20020383123P 20020528 US20020385708P 20020605 US20020394625P 20020710
US20020398008P 20020724 US20020402131P 20020809 US20020402708P 20020813
US20020411426P 20020918 US20020411355P 20020918 US20020414984P 20021002
US20020417611P 20021011 US20020420246P 20021023 US20020423623P 20021105
WO2002US40891 20021223 US20040775204 20040211 US20060429276 20060508
US20070929946 20071030

Family:	Publication number	Publication date	Application number	Application date
	US2009099073 AA	20090416	US20070929946	20071030

Probable Assignee: DELTA BIOTECHNOLOGY LTD
Assignee(s):(std): DELTA BIOTECHNOLOGY LTD
Assignee(s): HUMAN GENOME SCIENCES INC ; DELTA BIOTECHNOLOGY LIMITED

Inventor(s):(std): BALLANCE DAVID J ; HASELTINE WILLIAM A ; ROSEN CRAIG A ; RUBEN STEVEN M ; TURNER ANDREW J

Agent(s): FINNEGAN HENDERSON FARABOW GARRETT AND DUNNER LLP

International class (IPC 8-9): A61K38/00 A61K38/38 A61K39/395 A61P13/12 A61P19/06 A61P3/10 A61P35/00 A61P7/06 C07H21/04 C07K14/47 C07K14/76 C07K14/765 C07K19/00 C12N1/00 C12N1/15 C12N1/19 C12N1/21 C12N15/00 C12N15/09 C12N5/00 C12N5/10 C12P21/04 C12P21/06 (Advanced/Invention)

CPC: A61K31/426 A61K31/4439 A61K31/4965 A61K38/28 A61K38/04 A61K38/17 C07K14/4713 C07K14/505 C07K14/57563 C07K14/635 C07K2319/00 C07K2319/20 C07K2319/31 C12N15/62 C12N2501/335 C07K14/765 A61K31/155 C07K14/435 C07K14/665 C07K14/705 C07K14/82 C12N9/0006 C12Y101/01105 A61K38/00 C07K7/06 C07K14/4723 C07K14/475 C07K14/50 C07K14/51 C07K14/521 C07K14/525 C07K14/535 C07K14/54 C07K14/5406 C07K14/55 C07K14/555 C07K14/56 C07K14/565 C07K14/575 C07K14/5759 C07K14/585 C07K14/60 C07K14/605 C07K14/61 C07K14/62 C07K14/655 C07K16/241 C07K16/26 C07K2317/622 C07K2317/76 C12N9/0008 C12Y102/01 A61K39/21 C07K14/59 C07K14/65 C07K14/7151 C07K16/00 C07K2319/30 C12N7/00 C12N2740/16134 C12N2740/16171 C12Y207/01095 C07K14/005 C12N2740/16111 C12N2740/16122

European class: A61K38/04 A61K38/17 C07K14/47A5 C07K14/505 C07K14/575L C07K14/635 C07K14/765 C12N15/62 K61K38/00 M07K319/00 M07K319/31

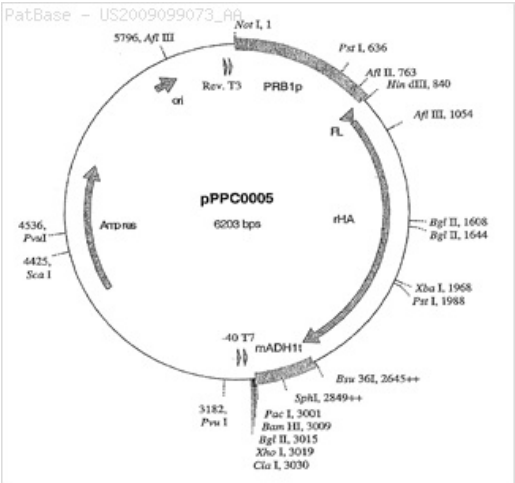
US class: 435/243 435/243S 435/320.1 435/320.100S 435/325 435/325S 435/69.7 435/69.700S 514/1.1 514/12 514/6.9 514/6.900P 530/351 530/351S 530/362 530/362S 536/23.4 536/23.400S

[Classification Explorer](#)

Cited documents: US7482013 BB, US7435410 BB, US7189690 BB, US7144574 BB, US7056701 BB, US7041478 BB, US7026447 BB, US6994857 BB, US6989365 BB, US6987006 BB, US6972322 BB, US6946134 BA, US6926898 BB, US6905688 BB, US6686179 BB, US5876969 A, US5705363 A, US5667986 A, US5665863 A, US5646012 A, US5616474 A, US5503993 A, US5116944 A, US2010189686 AA, US2006105429 AA, US2006084794 AA, US2006051859 AA, US2006014254 AA, US2005266533 AA, US2005266532 AA, US2005244931 AA, US2005239167 AA, US2005100991 AA, US2005054570 AA, US2005054051 AA, US2004086977 AA, US2004086976 AA, US2004063635 AA, US2004010134 AA, US2003219875 AA, US2003199043 AA, US2003187226 AA, US2003147918 AA, US2003143191 AA, US2003125247 AA, US2003082747 AA, US2003036171 AA, US2003036170 AA, US2003022308 AA, US2002048571 AA,

Forward Citations: WO12012271, WO12012271, US9879087, US9775888, US9416194, US9296809, US9273142, US9222728, US9221896, US8993517, US8765915, US8513189, US8272411, US8252739, US8171652, US8143026, US8106165, US8071539, US7966746, US2010189686, US2010154245, US2010093627, US2009011983, US2008269125, US2008161243, US2008039773, US2008028632, US10080785,

Abstract:
The present invention encompasses albumin fusion proteins. Nucleic acid molecules encoding the albumin fusion proteins of the invention are also encompassed by the invention, as are vectors containing these nucleic acids, host cells transformed with these nucleic acids vectors, and methods of making the albumin fusion proteins of the invention and using these nucleic acids, vectors, and/or host cells. Additionally the present invention encompasses pharmaceutical compositions comprising albumin fusion proteins and methods of treating, preventing, or ameliorating diseases, disorders or conditions using albumin fusion proteins of the invention.



25) Family number: 48576857 (US2011009312A)

© PatBase

Title:	ALBUMIN FUSION PROTEINS			
Priority:	US20010341811P 20011221	US20020350358P 20020124	US20020351360P 20020128	
	US20020359370P 20020226	US20020360000P 20020228	US20020367500P 20020327	
	US20020370227P 20020408	US20020378950P 20020510	US20020382617P 20020524	
	US20020383123P 20020528	US20020385708P 20020605	US20020394625P 20020710	
	US20020398008P 20020724	US20020402131P 20020809	US20020402708P 20020813	
	US20020411426P 20020918	US20020411355P 20020918	US20020414984P 20021002	
	US20020417611P 20021011	US20020420246P 20021023	US20020423623P 20021105	
	WO2002US40891 20021223	US20040775204 20040211	US20060429373 20060508	
	US20070783419 20070409	US20100836447 20100714		

Family:	Publication number	Publication date	Application number	Application date
	US2011009312 AA	20110113	US20100836447	20100714
	US8071539 BB	20111206	US20100836447	20100714

Probable Assignee: HUMAN GENOME SCIENCES INC

Assignee(s):(std): DELTA BIOTECHNOLOGY LTD ; HASELTINE WILLIAM A ; HUMAN GENOME SCIENCES INC ; ROSEN CRAIG A ; RUBEN STEVEN M

Assignee(s): DELTA BIOTECHNOLOGY LIMITED

Inventor(s):(std): HASELTINE WILLIAM A ; ROSEN CRAIG A ; RUBEN STEVEN M

Agent(s): FINNEGAN HENDERSON FARABOW GARRETT AND DUNNER LLP

International class
(IPC 8-9):

A61K38/00 A61K38/38 A61K39/395 A61P13/12 A61P19/06 A61P3/10 A61P35/00 A61P7/06 A61P9/00 A61P9/04 A61P9/06 A61P9/10 A61P9/12 C07H21/04 C07K14/00 C07K14/47 C07K14/76 C07K14/765 C07K19/00 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N5/10 C12P21/04 (Advanced/Invention)

CPC:

A61K31/426 A61K31/4439 A61K31/4965 A61K38/28 A61K38/04 A61K38/17 C07K14/4713 C07K14/505 C07K14/57563 C07K14/635 C07K2319/00 C07K2319/20 C07K2319/31 C12N15/62 C12N2501/335 C07K14/765 A61K31/155 C07K14/435 C07K14/665 C07K14/705 C07K14/82 C12N9/0006 C12Y101/01105 A61K38/00 C07K7/06 C07K14/555 C07K16/241 C07K2317/622 C07K2317/76 C12N9/0008 C12Y102/01 C07K14/4723 C07K14/475 C07K14/50 C07K14/51 C07K14/521 C07K14/525 C07K14/535 C07K14/54 C07K14/5406 C07K14/55 C07K14/56 C07K14/565 C07K14/575 C07K14/5759 C07K14/585 C07K14/60 C07K14/605 C07K14/61 C07K14/62 C07K14/655 C07K16/26 A61K39/21 C07K14/59 C07K14/65 C07K14/7151 C07K16/00 C07K2319/30 C12N7/00 C12N2740/16134 C12N2740/16171 C12Y207/01095 C07K14/005 C12N2740/16111 C12N2740/16122

European class:

A61K38/04 A61K38/17 C07K14/47A5 C07K14/505 C07K14/575L C07K14/635 C07K14/765 C12N15/62 K61K38/00 M07K319/00 M07K319/31

US class:

514/1.1 514/1.9 514/1.900P 514/11.7 514/11.700S 514/2 514/7.2

[Classification Explorer](#)

Cited documents:

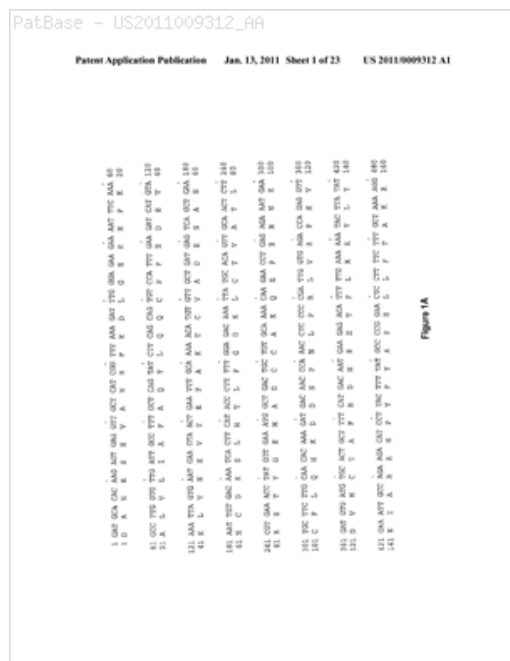
WO9966054, WO9964061 A1, WO9964060 A1, WO9959621 A1, WO9953064 A2, WO9947161 A1, WO9947160 A1, WO9943706 A1, WO9940788 A1, WO9930731 A1, WO9929336 A1, WO9928346 A1, WO9915194 A1, WO9915193, WO9913914, WO9911781 A1, WO9900504, WO9847489 A1, WO9836085, WO9832867 A1, WO9820895 A1, WO9819698 A1, WO9811136 A1, WO9808873 A1, WO9808531 A1, WO9804718, WO9800158 A1, WO9749729 A1, WO9739132, WO9734997, WO9731943 A1, WO9726321 A2, WO9724445, WO9715296 A1, WO9707814 A1, WO9620005 A1, WO9618412, WO9617942 A1, WO9617941 A2, WO9614416, WO9614409, WO9608512, WO9603144 A1, WO9531214 A1, WO9530759, WO9527059, WO9523857, WO9517510 A1, WO9516708 A1, WO9512684 A1, WO9505848 A1, WO9505465 A1, WO9503405 A2, WO9425489, WO9424160 A2, WO9419373 A1, WO9403198, WO9325579 A1, WO9318786 A1, WO9318785 A1, WO9315211, WO9315200, WO9315199, WO9303164, WO9300437, WO9300109 A1, WO9201055 A1, WO9111457 A1, WO9108220, WO9105052 A1, WO9102754, WO9013653, WO9011296 A1, WO9004788, WO9001540 A1, WO9001063 A1, WO8902922, WO8703887, WO8503079 A1, WO8302461 A1, WO8202715 A1, WO08019143 A3, WO07021494 A2, WO06110887 A2, WO06073890 A2, WO05077042, WO05003296, WO05000892, WO03084563 A1, WO03076567 A2, WO03060071 A2, WO03059934, WO03030821 A2, WO03018516 A2, WO03014318 A2, WO03013573 A1, WO03011892 A2, WO03003971 A2, WO03002136 A2, WO0248192 A2, WO0247716 A2, WO0246227 A2, WO0245712 A1, WO0222151 A2, WO02098348 A2, WO02097038 A3, WO02085406 A1, WO02080676 A1, WO02070549 A2, WO02069994 A2, WO02066062 A2, WO0198331 A2, WO0187322 A2, WO0181405 A2, WO0179271 A1, WO0179258 A1, WO0177137, WO0168112 A2, WO0157084 A1, WO0155213 A2, WO0151093 A2, WO0139784 A1, WO0136489 A2, WO0132200 A1, WO0130320 A1, WO0129242 A2, WO0127128 A1, WO0121602 A1, WO0105826 A2, WO0102017 A2, WO0078333 A2, WO00777039 A2, WO00669913 A1, WO00669911 A1, WO0066142 A2, WO0066138 A2, WO0062759 A1, WO0044772, WO0037098 A1, WO0037051 A1, WO0032772 A2, WO0026354 A1, WO0024893 A3, WO0024893 A2, WO0023459, WO0016797 A2, WO0012116 A1, WO0009666 A2, WO0007617 A1, WO0004171, WO0001727 A1, USRE37302 E, US7888314 BB, US7592010 BB, US7569384 BB, US7482013 BB, US7271149 BB, US7238667 BB, US7189690 BB, US7141547 BB, US7101843 BB, US7041478 BB, US6894024 BB, US6747006 BB, US6706689 BB, US6686179 BB, US6610830 BA, US6583111 BA, US6569832 BA, US6514500 BA, US6482613 BA, US6472373 BA, US6461605 BA, US6448225 BB, US6387365 BA, US6348327 BA, US6348192 BA, US6346543 BA, US6340742 BA, US6329336 BA, US6316224 BA, US6312665 BA, US6300065 BA, US6299872 BA, US6294153 BA, US6290987 BA, US6287588 BA, US6284727 BA, US6284725 BA, US6277819 BA, US6271200 BA, US6258377 BA, US6242479 BA, US6239167 BA, US6231882 BA, US6221958 BA, US6221378 BA, US6217893 BA, US6214863 BA, US6214547 BA, US6201072 BA, US6193997 BA, US6191102 BA, US6172046 BA, US6172046 B1, US6171828 BA, US6171828 B1, US6165470 A, US6153581 A, US6150337 A, US6150133 A, US6149911 A, US6133235 A, US6130248 A, US6124495 A, US6117949 A, US6114146 A, US6110970 A, US6110955 A, US6110891 A, US6110707 A, US6110703 A, US6087129 A, US6080877 A, US6071923 A, US6069135 A, US6063772 A, US6063373 A, US6054489 A, US6048724 A, US6045788 A, US6034221 A, US6031004 A, US6030961 A, US6017545 A, US6006753 A, US6004573 A, US5985850 A, US5981488 A, US5981485 A, US5981474 A, US5977318 A, US5977071 A, US5968510 A, US5965386 A, US5959075 A, US5952461 A, US5951996 A, US5948428 A, US5939455 A, US5932547 A, US5922761 A, US5922674 A, US5919815 A, US5919651 A, US5912229 A, US5908830 A, US5905143 A, US5889144 A, US5876969 A, US5863555 A, US5861406 A, US5856123 A, US5854018 A, US5849322 A, US5847004 A, US5846774 A, US5844095 A, US5840542 A, US5830452 A, US5824330 A, US5801190 A, US5795777 A, US5795746 A, US5788964 A, US5783423 A, US5780021 A, US5767097 A, US5766883 A, US5766620 A, US5763394 A, US5741815 A, US5739007 A, US5728707 A, US5728553 A, US5726038 A, US5714377 A, US5705363 A, US5702717 A, US5679777 A, US5668007 A, US5667986 A, US5665863 A, US5658568 A, US5646113 A, US5646012 A, US5641663 A, US5639642 A, US5637504 A, US5629286 A, US5625041 A, US5618698 A, US5618676 A, US5612196 A, US5602232 A, US5582822 A, US5574008 A, US5545618 A, US5521086 A, US5512549 A, US5508031 A, US5503993 A, US5460954 A, US5460811 A, US5459031 A, US5432082 A, US5409815 A, US5395922 A, US5380712 A, US5358709 A, US5336603 A, US5330971 A, US5322930 A, US5304473 A, US5302697 A, US5272070 A, US5260202 A, US5256410 A, US5230886 A, US5229109 A, US5223408 A, US5219565 A, US5208018 A, US5187261 A, US5128126 A, US5126129 A, US5116964 A, US5116944 A, US5106954 A, US5102872 A, US5100784 A, US5096885 A, US5096707 A, US5073627 A, US5071872 A, US5066489 A, US5061488 A, US5053389 A, US5045312 A, US5028422 A, US5015575 A, US5010003 A, US5002764 A, US4999339 A, US4970300 A, US4959314 A, US4929442 A, US4925919 A, US4916212 A, US4914027 A, US4914026 A, US4908434 A, US4908433 A, US4840934 A, US4835260 A, US4801575 A, US4792602 A, US4778879 A, US4775622 A, US4765980 A, US4751180 A, US4652525 A, US4499188 A, US4492684 A, US4462940 A, US4450103 A, US4447538 A, US4440859 A, US4407948 A, US4397840 A, US4366246 A, US4363877 A, US4342832 A, US4336248 A, US4283489 A, US4264731 A, US2010311662 AA, US2010093627 AA, US2010048472 AA, US2010029554 AA, US2009099073 AA, US2009093402 AA, US2008293629 AA, US2008213886 AA, US2008167240 AA, US2008167239 AA, US2008167238 AA, US2008161243 AA, US2008153751 AA, US2008146503 AA, US2007259815 AA, US2007244047 AA, US2007048282 AA, US2006276396 AA, US2006194735 AA, US2005266533 AA, US2005266532 AA, US2005244931 AA, US2005186664 AA, US2005100991 AA, US2005048471 AA, US2005037022 AA, US2004171123 AA, US2004121426 AA, US2004086977 AA, US2004086976 AA, US2004063635 AA, US2004053370 AA, US2004018975 AA, US2004010134 AA, US2003219875 AA, US2003199043 AA, US2003171267 AA, US2003143191 AA, US2003125247 AA, US2003108568 AA, US2003108567 AA, US2003104578 AA, US2003082747 AA, US2003054554 AA, US2003036172 AA, US2003036171 AA, US2003036170 AA, US2003022308 AA, US2002193570 AA, US2002106719 AA, US2002048571 AA, US2002037841 AA, US2001046956 AA, US2001021767 AA, US2001014666 AA, US2001011071 AA, US2001006943 AA, US2001002394 AA, JP859509, JP853500, JP8051982, JP638771, JP6022784, JP5292972, JP4211375, JP327320, JP3201987, JP2227079, JP2117384, JP1117790, GB2350362 A1, GB2193631 A1, FR2719593, FR2635115, EP1330261 B1, EP1317929 A2, EP1306092 A2, EP1213029 A1, EP1136075 B1, EP1125579 A2, EP1099441 A2, EP0964692 B1, EP0956861 B1, EP0946191 B1, EP0903148 B1, EP0889949 B1, EP0771871 A2, EP0764209 B1, EP0751220 A1, EP0741188 A3, EP0741188 A2, EP0736303 B1, EP0734450 B1, EP0711835 A1, EP0658568 A1, EP0640619 B1, EP0624195, EP0619322 A2, EP0591524, EP0511912 A1, EP0510693 A2, EP0510678 A2, EP0509841 A2, EP0503583 A1, EP0427296 B1, EP0422697 B1, EP0416673 A1, EP0413622 B1, EP0401384 B1, EP0399666 B1, EP0395918 A2, EP0366400 A2, EP0364980 B1, EP0361991 A2, EP0347781 B1, EP0344459 A2, EP0339568 A1, EP0330451 A2, EP0325262 A2, EP0322094 A1, EP0319641 A1, EP0317254 B1, EP0314317 A1, EP0308381 A1, EP0301670 A1, EP0300466 B1, EP0267208 B1, EP0252561 A2, EP0244221 A1, EP0241435 B1,

EP0241435 A2, EP0237545 B2, EP0237019 A2, EP0236210 A1, EP0231819 B1, EP0230980 B2, EP0230980 B1, EP0229016 B1, EP0222279 B1, EP0218825 B1, EP0217404 B1, EP0215658 A2, EP0209539 B1, EP0206733 A1, EP0205564 B2, EP0201239 B1, EP0201239 A1, EP0196056 B1, EP0195691 B1, EP0172619 A1, EP0169566 B2, EP0163529 B1, EP0163406 B1, EP0163406 A1, EP0147198 A3, EP0146413 A2, EP0146354 B2, EP0138437 A2, EP0123544 A2, EP0123294 A1, EP0121884 B1, EP0118617 B1, EP0116201 A1, EP0106179 B1, EP0091527 A2, EP0088632 A2, EP0079739 A2, EP0077670 B1, EP0073646 A2, EP0070906 A1, EP0068701 A2, EP0048970 A2, EP0041313 B1, EP0032134 A2, EP0028033 A2, EP0022242 B1, DE3723781 A1, DE19921537 A1, CN1239103 A, CN1235981 A, CA2309810 AA, CA2270320, CA2070781, CA2022539, CA1341211, AU741964 B2, AU704594,

Forward Citations: WO14182684, WO13028451, US9982029, US9932381, US9789165, US9775904, US9771406, US9758561, US9751926, US9750788, US9745360, US9694053, US9670261, US9499605, US9388231, US9222728, US9216386, US8758287, US8748377, US8691763, US8272411, US8252739, US8171652, US8143026, US7966746, US2013053317, US2013029911, US2012000838, US2010154245, US2010093627, US2008039773, US2008028632, US10155803, EP2796425, EP2796425,

Abstract:

The present invention encompasses albumin fusion proteins. Nucleic acid molecules encoding the albumin fusion proteins of the invention are also encompassed by the invention, as are vectors containing these nucleic acids, host cells transformed with these nucleic acids vectors, and methods of making the albumin fusion proteins of the invention and using these nucleic acids, vectors, and/or host cells. Additionally the present invention encompasses pharmaceutical compositions comprising albumin fusion proteins and methods of treating, preventing, or ameliorating diseases, disorders or conditions using albumin fusion proteins of the invention.



26) Family number: 56780872 (US2014179596A)

© PatBase

Title:	ALBUMIN FUSION PROTEINS											
Priority:	US20010341811P 20011221	US20020350358P 20020124	US20020351360P 20020128									
	US20020359370P 20020226	US20020360000P 20020228	US20020367500P 20020327									
	US20020370227P 20020408	US20020378950P 20020510	US20020382617P 20020524									
	US20020383123P 20020528	US20020385708P 20020605	US20020394625P 20020710									
	US20020398008P 20020724	US20020402131P 20020809	US20020402708P 20020813									
	US20020411426P 20020918	US20020411355P 20020918	US20020414984P 20021002									
	US20020417611P 20021011	US20020420246P 20021023	US20020423623P 20021105									
	WO2002US40891 20021223	US20040775204 20040211	US20060429373 20060508									
	US20070783419 20070409	US20100836447 20100714	US20110078827 20110401									
	US20130966186 20130813											
Family:	<table><tr><th>Publication number</th><th>Publication date</th><th>Application number</th><th>Application date</th></tr><tr><td> US2014179596 AA</td><td>20140626</td><td>US20130966186</td><td>20130813</td></tr></table>				Publication number	Publication date	Application number	Application date	 US2014179596 AA	20140626	US20130966186	20130813
Publication number	Publication date	Application number	Application date									
 US2014179596 AA	20140626	US20130966186	20130813									
Probable Assignee:	HUMAN GENOME SCIENCES INC											
Assignee(s):(std):	HUMAN GENOME SCIENCES INC											
Inventor(s):(std):	RUBEN STEVEN M ; ROSEN CRAIG A ; BLONDEL OLIVIER											
International class (IPC 8-9):	A61K38/00 A61K39/395 A61P13/12 A61P19/06 A61P3/10 A61P35/00 A61P7/06 C07H21/04 C07K14/47 C07K14/62 C07K14/76 C07K14/765 C07K19/00 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N5/10 C12P21/04 (Advanced/Invention)											
CPC:	A61K31/426 A61K31/4439 A61K31/4965 A61K38/28 A61K38/04 A61K38/17 C07K14/4713 C07K14/505 C07K14/57563 C07K14/635 C07K2319/00 C07K2319/20 C07K2319/31 C12N15/62 C12N2501/335 C07K14/765 A61K31/155 C07K14/435 C07K14/665 C07K14/705 C07K14/82 C12N9/0006 C12Y101/01105 A61K38/00 C07K7/06 C07K14/4723 C07K14/475 C07K14/50 C07K14/51 C07K14/521 C07K14/525 C07K14/535 C07K14/54 C07K14/5406 C07K14/55 C07K14/555 C07K14/56 C07K14/565 C07K14/575 C07K14/5759 C07K14/585 C07K14/60 C07K14/605 C07K14/61 C07K14/62 C07K14/655 C07K16/241 C07K16/26 C07K2317/622 C07K2317/76 C12N9/0008 C12Y102/01 A61K39/21 C07K14/59 C07K14/65 C07K14/7151 C07K16/00 C07K2319/30 C12N7/00 C12N2740/16134 C12N2740/16171 C12Y207/01095 C07K14/005 C12N2740/16111 C12N2740/16122											
US class:	435/254.2 435/325 435/69.4 514/5.9 530/363 536/23.51											
Classification Explorer												
Forward Citations:	WO16054494, US10071139,											

Provided herein are albumin fusion proteins. Nucleic acid molecules encoding the albumin fusion proteins and vectors containing these nucleic acids, host cells transformed with these nucleic acids vectors, and methods of making the albumin fusion proteins and using these nucleic acids, vectors, and/or host cells also are provided. Further described are pharmaceutical compositions comprising albumin fusion proteins and methods of treating, preventing, or ameliorating diseases, disorders or conditions using albumin fusion proteins of the invention.



Priority: US20040555272P 20040322

Case number	Case number date	Applicant number	Applicant date
WO05092921 A2	20051006	WO2005US08450	20050315
WO05092921 A3	20051208	WO2005US08450	20050315

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Classification Explorer

Forward Citations: WO09155324, US8741287,

The present invention relates to nucleic acid and amino acid sequences of human PIGF splice variants and to the use of these sequences in the diagnosis, prevention and treatment of PIGF receptor-mediated disorders. The present invention also relates to vectors, host cells, and antibodies directed to these polypeptides.

WO 2006/02921

PCYR0200000000

-1-

SEQUENCE LISTING

<110> Eli Lilly and Company
<120> PLACENTAL GROWTH FACTOR RECEPTOR VARIANTS AND THEIR USES
<130> N-16513_MO
<150> US 65/955,272
<160> 2004-03-22
<160> 16
<170> Patent version: 3.3
<210> 1
<211> 465
<212> DNA
<213> Homo sapiens

<220>
<221> CDS
<222> (11) .. (559)

<400> 1
tactctggaag atgagcgcct cggcctgagc atgctgagaa tccctggag ccccttgct 60
cggcctgagc gaggag acg cgg ggc atg aga ctg ttc cct tgc ttc ctg cag 110
Met Pro Val Met Arg Leu Phe Pro Cys Phe Leu Gln
1 5 10
ctc ctg ggc ggg ctg ggg ctg cct ggc ctg ccc ccc ccc ccc ccc 160
Leu Leu Ala Gly Leu Ala Leu Pro Ala Val Pro Pro Gln Gln Trp Ala
15 20 25
tgc tcc gct ggc aac ggc tgg tcc ggc ctg gaa gtc gta ccc ttc ccc 208
Leu Ser Ala Gly Asn Gly Ser Ser Gln Val Gln Val Val Pro Phe Gln
30 35 40
gaa ctg tgg ggc ggc aga tac tgc cca ggc ctg gaa aga ctg gtc gac 256
Glu Val Trp Gly Arg Ser Tyr Cys Arg Ala Leu Gln Arg Leu Val Asp
45 50 55
gta ctg tcc ggc taa ccc agt gaa ctg gaa ccc atg ttc agt cca tcc 304
Val Val Ser Gln Tyr Pro Ser Gln Val Gln His Met Phe Ser Phe Ser
60 65 70 75
tgt gtc tcc ctg ctg ggc tgc aac ggc tgc tgc ggc ggc ggc ggc 352
Cys Val Ser Leu Leu Arg Cys Thr Gln Cys Cys Gly Asp Gln Asn Leu
80 85 90
cac tgc ctg ccc ctg ggc agc ggc aac gtc aac ctg ctg ccc cca aag 400
His Cys Val Pro Val Gln Thr Ala Asn Val Thr Met Gln Leu Leu Tyr