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Step	Search	Results
1	vector	388,248
2	inhibition	136,805
3	VEGF	13,773
4	1 AND 2	7,059
5	4 AND 3	298
6	5 AND PD<20171127	245
7	vector near ("AAV")	2,858
8	7 AND 2	184
9	8 AND 3	17
10	9 AND PD<20171127	12

1. Family 43648801 (WO09105669 A2)

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Title
[EN] ANGIOGENESIS INHIBITION

Abstract
[EN] Fusion proteins comprising a functional polypeptide, a linker and an IgG heavy chain molecule, and vectors encoding such fusion proteins, are provided for inhibiting angiogenesis in individuals with pathological conditions related to neovascularization. In particular, vectors encoding a fusion VEGF antagonist comprising a VEGF receptor fused to an IgG heavy chain molecule is provided to treat ocular diseases in a mammal.

International Class: A61K31/7088; A61K; A61K48/00; A61K35/76; A61K38/00; A61K39/395; A61K45/00; A61P11/06; A61P19/02; A61P27/02; A61P35/00

Cooperative Patent Class: A61K48/005; A61P11/06; A61P19/02; A61P27/02; A61P35/00; C12N2799/025

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Patent Number	Publication Date	Application Number	Application Date
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WO09105669 A2	20090827	WO2009US34709	20090220
WO09105669 A3	20091217	WO2009US34709	20090220

Priority Numbers: US20080030072P [20080220]; US20080034546P [20080307]; US20080056632P [20080528]; WO2009US34709 [20090220]

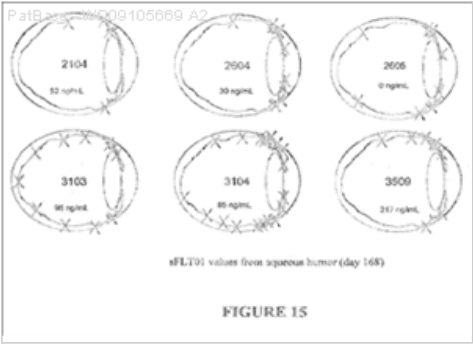
Probable Patent Assignee: GENZYME CORP

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Agent(s): TANAKA MITSUO; TOMITA KENJI; YAMAZAKI HIROSHI; DENG MICHELLE; GENZYME CORP

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; 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; 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; 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



2. Family 53957876 (US2014336245 AA)

[View in PatBase](#)

Title
[EN] VIRUS VECTORS FOR HIGHLY EFFICIENT TRANSGENE DELIVERY

Abstract
[EN] The invention provides viral vector formulations and methods of uses thereof for delivery of transgenes or therapeutic nucleic acids to human subjects. The formulations include a vector and suitable amounts of empty capsids, viral genome-containing capsids, or viral capsid proteins which are optionally chemically or structurally modified and which bind to neutralizing anti-AAV antibodies thereby reducing or preventing antibody-mediated clearance of the vector, but still allowing the genome-containing (therapeutic) vector to transduce target cells and achieve therapeutic gene transfer.

International Class: A61K39/235; A61K35/76; A61K48/00; C12N15/86; C12N15/864; C12N7/01; C12Q1/70; A61K; A61P7/04; A61K38/00; C12N9/64

Cooperative Patent Class: A61K38/00; A61P7/04; C12N15/86; C12N2750/14123; C12N2750/14143; C12N9/644

US Class: 435/5; 514/44R

Family Information

Patent Number	Publication Date	Application Number	Application Date
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AU2012340567 BB	20171123	AU20120340567	20121121
CA2856137 AA	20140515	CA20122856137	20121121
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HK40013015 A1	20200807	HK20204002814	20200217
JP2014534245 T2	20141218	JP20140542594T	20121121
JP6348064 B2	20180627	JP20140542594T	20121121
US10640785 BB	20200505	US20120360151	20121121
US2014336245 AA	20141113	US20120360151	20121121
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Priority Numbers: US20110562795P [20111122]; US20120639025P [20120426]; US20120682019P [20120810]; WO2012US66380 [20121121]; EP20120851878 [20121121]; US20120360151 [20121121]

Probable Patent Assignee: CHILDREN S HOSPITAL OF PHILADELPHIA

Assignees: CHILDREN S HOSPITAL OF PHILADELPHIA; PHILADELPHIA CHILDREN HOSPITAL; CHILDRENS HOSPITAL PHILADELPHIA; MINGOZZI FEDERICO; HIGH KATHERINE A; ANGUELA XAVIER; WRIGHT J FRASER; CHILDREN HOSPITAL OF PHILADELPHIA

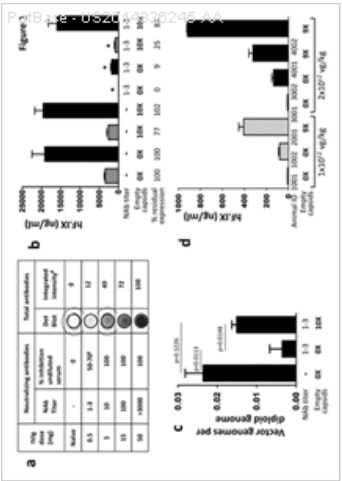
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Designated States: AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; AE; AG; AM; AO; AU; AZ; BA; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LY; MA; MD; ME; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE;



PG; PH; QA; RU; RW; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; ZM; ZW; VN;
ZA

3. Family 61906196 (US2016082162 AA)

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[EN] NANOPARTICLE-MEDICATED GENETIC DELIVERY OF GROWTH INHIBITING GENES ON BALLOON ANGIOPLASTY TO SUPPRESS INTIMAL HYPERPLASIA

Abstract

[EN] The invention provides methods, devices, and reagents for treating a disease or a condition in a blood vessel, such as a venous or arterial disease or condition.

International Class: A61L29/08; A61L29/16; A61L31/10; A61L31/16; A61M25/10

Cooperative Patent Class: A61F2210/00; A61L2300/258; A61L2300/432; A61L29/16; A61L31/16

US Class: 1/1; 424/423; 514/44A; 514/44R; 604/103.02

Family Information

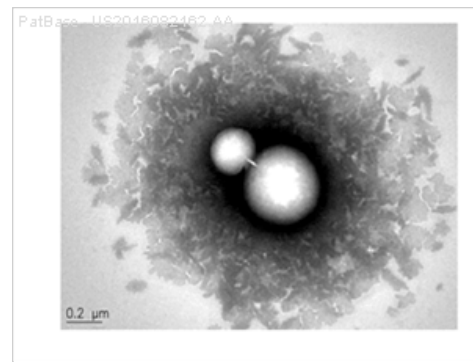
Patent Number	Publication Date	Application Number	Application Date
US2016082162 AA	20160324	US20150704037	20150505
US2018126048 AA	20180510	US20170795367	20171027

Priority Numbers: US20140052610P [20140919]; US20150704037 [20150505]; US20170795367 [20171027]

Probable Patent Assignee: EDUCATION OF VOCATIONAL SCHOOLS IN COUNTY OF BERGEN BOARD OF

Assignees: BOARD OF EDUCATION OF VOCATIONAL SCHOOLS IN COUNTY OF BERGEN; EDUCATION OF VOCATIONAL SCHOOLS IN COUNTY OF BERGEN BOARD OF; BOARD OF EDUCATION OF VOCATIONAL SCHOOLS IN TH E COUNTY OF BERGEN

Inventors: THARAKAN SERENA; PERGOLIZZI ROBERT; DIRITO JENNA



4. Family 76114626 (US2021371471 AA)

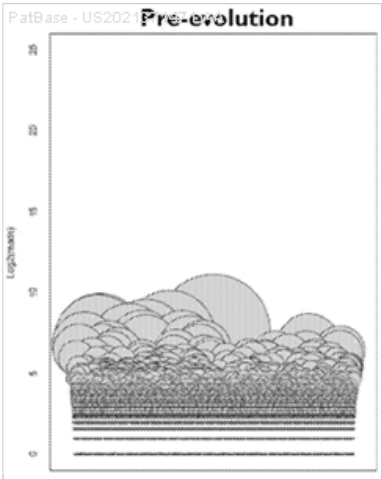
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Title
[EN] ANTIBODY-EVADING VIRUS VECTORS

Abstract
[EN] The present disclosure provides AAV capsid proteins comprising a modification in the amino acid sequence and virus vectors comprising the modified AAV capsid protein. The disclosure also provides methods of administering the virus vectors and virus capsids of the disclosure to a cell or to a subject in vivo.

International Class: C07K14/005; C12N15/86; A61K35/76; A61K48/00; A61P21/00; A61P21/04; A61P25/00; A61P25/16; A61P25/28; C07K14/015; C12N1/15; C12N1/19; C12N1/21; C12N15/09; C12N15/35; C12N15/63; C12N15/864; C12N5/10; A61K38/46; C07K14/47; C12N15/11; C12N7/00; C12N9/22

Cooperative Patent Class: A61K38/00; A61K38/46; A61P21/00; C07K14/005; C07K14/015; C07K14/4707; C12N15/11; C12N15/86; C12N2750/14122; C12N2750/14143; C12N7/00; C12N9/22



Family Information

Patent Number	Publication Date	Application Number	Application Date
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US2021371471 AA	20211202	US20200045090	20190403
WO19195444 A1	20191010	WO2019US25610	20190403

Priority Numbers: US20180652103P [20180403]; US20180770240P [20181121]; US20190819389P [20190315]; US20180776793P [20181207]; WO2019US25610 [20190403]; US20190045090 [20190403]

Probable Patent Assignee: STRIDEBIO INC

Assignees: STRIDEBIO INC; MCCOY DANIEL; BERRY GARRETT E; SMITH JAMES KENNON

Inventors: BERRY GARRETT E; SMITH JAMES KENNON; MCCOY DANIEL; DANIEL MCCOY; GARRETT E BERRY; JAMES KENNON SMITH; SMITH JAMES K

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

5. Family 29950101 (US2003021776 AA)

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Title

[EN] REGULATION OF ANGIOGENESIS WITH ZINC FINGER PROTEINS

Abstract

[EN] Provided herein are a variety of methods and compositions for regulating angiogenesis, such methods and compositions being useful in a variety of applications where modulation of vascular formation is useful, including, but not limited to, treatments for ischemia and wound healing. Certain of the methods and compositions accomplish this by using various zinc finger proteins that bind to particular target sites in one or more VEGF genes. Nucleic acids encoding the zinc finger proteins are also disclosed. Methods for modulating the expression of one or more VEGF genes with the zinc finger proteins and nucleic acids are also disclosed. Such methods can also be utilized in a variety of therapeutic applications that involve the regulation of endothelial cell growth. Pharmaceutical compositions including the zinc finger proteins or nucleic acids encoding them are also provided.

International Class: A61K38/00; A61K48/00; A61P17/02; A61P19/02; A61P29/00; A61P35/00; A61P43/00; A61P9/00; A61P9/10; C07K14/47; C07K14/52; C12N15/09; C12N15/12; C12N15/861; C12N15/867; C12Q1/02; A61K38/17; C07K14/435; A61K31/7088; A61K35/76; A61P1/04; C12Q1/68; C07K19/00; C12P21/00; A01N43/04; C07H21/02; C12N15/64; C12N5/16; A61K38/48; C07H21/04; C12N5/06; C12N9/64; C12P21/02

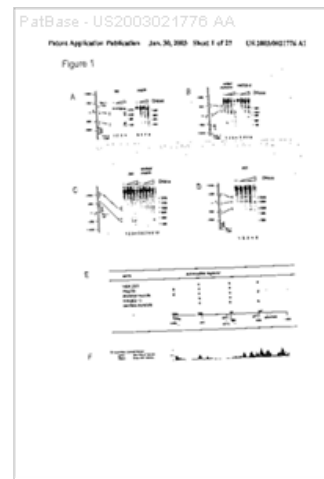
Cooperative Patent Class: A61K38/00; A61K48/00; A61K48/005; A61P17/02; A61P19/02; A61P29/00; A61P35/00; A61P43/00; A61P9/00; A61P9/10; C07K14/47; C07K14/4702; C07K14/52; C07K2319/00; C12N15/86; C12N2710/10343; C12N2740/13043; C12N2799/021; C12N2810/85; C12N2830/008; A61P1/04

US Class: 424/94.63; 424/94.630P; 435/226; 435/226S; 435/320.1; 435/320.100S; 435/325; 435/325S; 435/455; 435/6; 435/6.16; 435/69.1; 435/69.100S; 435/7.1; 435/71; 514/1.9; 514/1.900S; 514/13.2; 514/13.200S; 514/13.3; 514/13.300S; 514/15.1; 514/15.100S; 514/16.6; 514/16.600S; 514/19.3; 514/19.300S; 514/2; 514/44; 514/44.00R; 514/44.00RP; 514/44R; 514/6; 514/8.1; 514/8.100S; 514/9.4; 514/9.400S; 536/23.1; 536/23.2; 536/23.200S; 536/23.5; 536/231; 536/235

Family Information

Patent Number	Publication Date	Application Number	Application Date
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WO0246412 A3	20030313	WO2001US46861	20011206

Priority Numbers: US20000733604 [20001207]; US20000736083 [20001212]; US20010846033 [20010430]; WO2001US46861 [20011206]; JP20020548129 [20011206]; JP20020548129T [20011206]; JP20070321556 [20011206]; US20010006069



[20011206]; US20050115922 [20050426]; US20060486994 [20060714]; US20090553826 [20090903]

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Inventors: REBAR EDWARD; JARVIS ERIC; WOLFFE ALAN; LIU QIANG; EISENBERG STEPHEN P; JAMIESON ANDREW; LIU PEI QI; WOLFFE ELIZABETH J

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

6. Family 28209771 (US2002081614 AA)

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Title
[EN] FUNCTIONAL GENOMICS USING ZINC FINGER PROTEINS

Abstract

[EN] 0 The present invention provides methods of regulating gene expression using recombinant zinc finger proteins, for functional genomics and target validation applications.

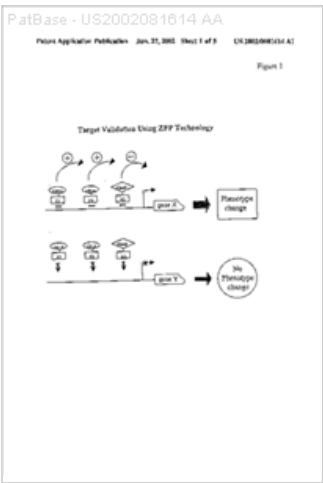
International Class: C07K14/00; C07K14/47; C12N15/09; C12N15/10; C12Q1/68; C12Q1/6811; G06F17/30; G06F19/18; A61K31/711; A61K35/76; A61K38/16; A61K48/00; A61P11/00; A61P17/06; A61P19/02; A61P21/00; A61P21/04; A61P25/28; A61P27/02; A61P29/00; A61P31/04; A61P31/10; A61P31/12; A61P31/18; A61P35/00; A61P37/00; A61P7/00; A61P7/06; A61P9/00; A61P9/10; C07K14/46; C07K14/52; C12N15/12; C12N15/63; C12N15/67; C12N15/82; C12N15/85; C12N5/10; C12N9/64; C12P21/04; C12N; C12N15/87; C12N5/00; C12N5/16; C12Q1/00; G01N33/50; G01N33/53; G01N33/554; C12N15/86; C12N15/88; C12Q1/02; C07K14/435; A01N63/00; G06F17/50; G06F19/16; G06F19/28; C12Q; G01N; A61P3/06; A61P31/00; A61P33/02; A61P43/00; G06F19/00; C12N5/06; C12N5/08; C12P21/02; G01N33/48; A61K31/57; C07H21/04; C12N5/04; C12N9/22; C12P21/06; C40B40/08; C40B50/06; A01K67/00; G01N33/00; G01N33/68; A61K35/12; C12N15/861; C12N15/864; C12N15/867; C12N15/869; C12N5/071; A01K67/027; C12Q1/66; C12N15/11; C12N15/00; C12N15/70; C12N9/16; G06G7/60; A01N37/18; C07K1/00; C12N15/79; C40B40/10; A01H5/00; C12N15/31; C07H21/02; C12N5/02; A61K38/17; A61K38/48; C12N1/511; C12N1/512; C12N1/563; C12N15/64; G01N33/567; G06F1/900

Cooperative Patent Class: C07K14/47; C07K14/4702; C12N15/1089; C12Q1/6811; G01N33/5308; G01N33/6875; G16B20/00; G16B20/20; G16B20/30; G16B20/50; A01K2217/05; A01K67/0275; A61K48/00; A61K48/005; A61P11/00; A61P17/06; A61P19/02; A61P21/00; A61P21/04; A61P25/28; A61P27/02; A61P29/00; A61P3/06; A61P31/00; A61P31/04; A61P31/10; A61P31/12; A61P31/18; A61P33/02; A61P35/00; A61P37/00; A61P43/00; A61P7/00; A61P7/06; A61P9/00; A61P9/10; C07K14/52; C07K2319/00; C07K2319/71; C07K2319/81; C12N15/63; C12N15/67; C12N15/8216; C12N15/85; C12N2830/002; C12N2830/005; C12N2830/008; C12N2830/85; C12Q1/66; C12Q1/6897; G01N33/5091; C12N15/1079; C12N15/1055; C12N15/8241; C12N15/8243; C12Q1/68; G01N33/5005; G06F19/18; G01N33/50; G16B15/00; G16B15/20; G16B50/00; C07K2319/09; C07K2319/43; C12N2750/14143; A61K31/57

US Class: 1/1; 424/93.21; 424/93.7; 435/196; 435/199; 435/199S; 435/226; 435/226S; 435/29; 435/320.1; 435/320.100S; 435/325; 435/325S; 435/348; 435/348P; 435/366; 435/366S; 435/372; 435/375; 435/375P; 435/4; 435/410; 435/419; 435/419S; 435/455; 435/455P; 435/455S; 435/456; 435/456S; 435/458; 435/468; 435/471; 435/4P; 435/4S; 435/6; 435/6.1; 435/6.100P; 435/6.11; 435/6.12; 435/6.120P; 435/6.120S; 435/6.13; 435/6.130S; 435/6.15; 435/6.16; 435/6.160P; 435/6.160S; 435/6.17; 435/6.18; 435/6.180P; 435/6.180S; 435/69.1; 435/69.100P; 435/69.100S; 435/69.7; 435/69.700S; 435/6P; 435/6S; 435/7.1; 435/7.100S; 435/7.21; 435/7.210S; 435/71; 436/81; 436/81S; 436/89; 436/89P; 506/10; 506/10P; 506/18; 506/9; 506/9P; 506/9S; 514/1.2; 514/1.200P; 514/10.2; 514/10.200S; 514/12; 514/13.7; 514/179; 514/179S; 514/19.1; 514/19.100S; 514/2; 514/2.4; 514/21.2; 514/21.200S; 514/3.3; 514/4.4; 514/44; 514/44.00RP; 514/44R; 514/6; 514/8.1; 514/8.100S; 514/8.6; 514/8.600S; 514/9.7; 53/62.34; 530/350; 530/387.3; 530/400; 536/23.1; 536/23.2; 536/23.200S; 536/23.4; 536/23.5; 536/24.1; 702/19; 702/19P; 702/19S; 702/2; 702/20; 702/20S; 702/21; 703/11; 800/13; 800/13S; 800/278; 800/288; 800/298; 800/3; 800/3P

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Priority Numbers: US19990229007 [19990112]; WO2000US00388 [20000106]; US19990229037 [19990112]; WO2000US00409 [20000106]; US19990456100 [19991206]; WO2000US33086 [20001206]; US19990395448 [19990914]; WO2000US24897 [20000912]; US20010941450 [20010828]; WO2002US27310 [20020827]; EP20000906882 [20000106]; EP20000905563 [20000106]; GB20000000651 [20000112]; JP20000593186 [20000106]; JP20000593186T [20000106]; JP20000593776 [20000106]; JP20000593776T [20000106]; JP20010005820 [20000106]; JP20010523752 [20000912]; JP20010523752T [20000912]; JP20110127433 [20000912]; US20010925796 [20010809]; US20000731558 [20001206]; US20010942087 [20010828]; US20010942090 [20010828]; US20010897844 [20010702]; US20010825242 [20010402]; US20020113424 [20020328]; US20030337216 [20030106]; US20020245415 [20020916]; US20040843944 [20040512]; US20040845384 [20040513]; US20040922546 [20040819]; US20020222614 [20020815]; US20040986583 [20041112]; US20040984304 [20041109]; US20050148794 [20050608]; US20030456444 [20030605]; US20020386908P [20020607]; US20060394279 [20060329]; US20060505044 [20060816]; US20060505775 [20060817]; US20060486254 [20060712]; US20070707284 [20070212]; US20060521291 [20060914]; US20060524165 [20060920]; US20110068877 [20110523]; US20110068878 [20110523]; US20140297197 [20140605]; US20170499615 [20170427]; US20000478681 [20000106]; US20000706243 [20001103]

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7. Family 33338182 (US2006210539 AA)

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Title
[EN] ANTI-ANGIOGENIC METHODS AND COMPOSITIONS

Abstract
[EN] Disclosed herein are methods and compositions for treatment of conditions requiring inhibition of angiogenesis. Such conditions include those characterized by neovascularization, such as retinopathies, macular degeneration and various malignancies.

International Class: C07K14/47; C07K14/435; C07K; A61K31/7088; A61K38/00; A61K48/00; A61P27/00; A61P27/02; A61P35/00; A61P43/00; C07K7/00; C07K7/06; C12N1/15; C12N1/19; C12N1/21; C12N15/09; C12N5/10; C07K19/00; A61K38/19; A61K38/43; A61K38/46; C07H21/00; C07H21/04; C12N9/64; C12P21/06; A61K38/18; A61K38/48; A61K31/70; A61K35/12; C07H17/00; C07K14/00; C12N15/00; C12N15/12; A61K38/16

Cooperative Patent Class: A61K38/00; A61P27/02; A61P35/00; A61P43/00; C07K14/4702; C07K14/4705; C07K14/811; C07K2319/71; C07K2319/81; C12N2799/022; C12N2799/025; C12N2799/028

US Class: 424/85.1; 424/85.100S; 424/93.1; 424/93.100S; 424/93.2; 424/93.200P; 424/93.21; 424/93.210P; 424/94.65; 424/94.650S; 435/226; 435/226S; 435/252.3; 435/320.1; 435/325; 435/325S; 435/456; 435/456S; 435/69.1; 435/69.100S; 514/13.3; 514/13.300P; 514/13.300S; 514/19.3; 514/19.300S; 514/2; 514/20.8; 514/20.800S; 514/44; 514/44.00R; 514/44.00RS; 514/44R; 514/6; 514/6.9; 514/6.900S; 514/7.6; 514/8.1; 514/8.100S; 514/8.2; 530/350; 536/23.1; 536/23.100S; 536/23.2; 536/23.200S; 536/23.5

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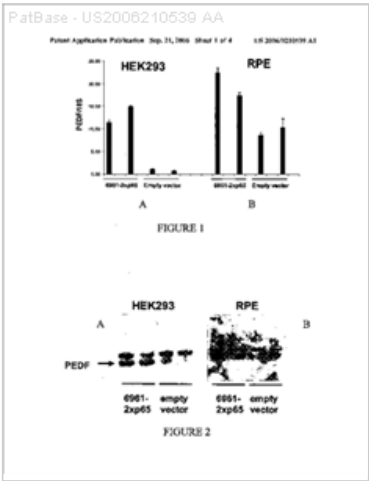
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US2006210539 AA	20060921	US20060365390	20060228
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US7795209 BB	20100914	US20070981385	20071031
US7893022 BB	20110222	US20070981386	20071031
US8012946 BA	20110906	US20080008245	20080109
WO06094106 A2	20060908	WO2006US07382	20060228
WO06094106 A3	20070215	WO2006US07382	20060228

Priority Numbers: US20050657224P [20050228]; US20050677584P [20050503]; US20050715326P [20050908]; WO2006US07382 [20060228]; EP20060736663 [20060228]; EP20100185937 [20060228]; US20060365390 [20060228]; US20070981385 [20071031]; US20070981386 [20071031]; US20070999549 [20071206]; US20080008245 [20080109]

Probable Patent Assignee: SANGAMO BIOSCIENCES INC

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Non Std Assignees: SANGAMO BIOSCIENCES INC RICHMOND



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

8. Family 93389530 (WO22195081 A1)

[View in PatBase](#)

Title

[EN] ANTI-FACTOR C3 SAC7D VARIANTS AND THEIR MEDICAL USE FOR TREATING COMPLEMENT-MEDIATED DISORDERS

Abstract

[EN] The invention relates to a polypeptide comprising a variant of a protein of the Sac7d family that specifically binds to the complement component 3 (C3) and/or the component C3b obtained after hydrolysis of C3, and inhibits the complement cascade.

International Class: C07K14/195; C07K14/47; C12N15/10; A61K38/16; A61K38/00; A61P37/02; C07K14/31; C07K16/00; C07K16/18; C12N15/63

Cooperative Patent Class: A61K38/00; C07K14/195; C07K14/472; A61P7/00; A61K2039/505; A61P37/02; C07K16/22; C07K2317/55; C07K2317/73; C07K2317/76; C07K2317/92; C07K2319/33; C12N15/85

Family Information

Patent Number	Publication Date	Application Number	Application Date
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Priority Numbers: EP20210305336 [20210318]; EP20210305904 [20210630]; EP20210305905 [20210630]

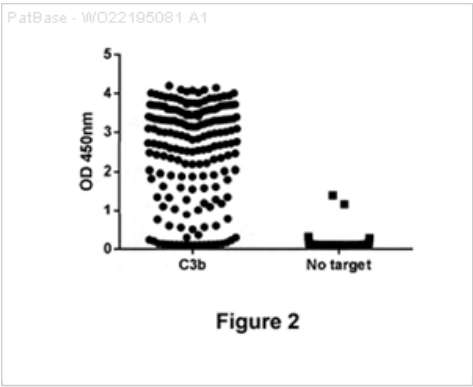
Probable Patent Assignee: AFFILOGIC

Assignees: AFFILOGIC; APELLIS PHARMACEUTICALS INC

Inventors: CINIER MATHIEU; CHEVREL ANNE; KITTEN OLIVIER; SCHEIBLER LUKAS

Agent(s): FLESSELLES BRUNO FG; FLESSELLES BRUNO; ADAMS MELISSA M ET AL; CHOATE HALL AND STEWART LLP

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



9. Family 42009161 (US2010113351 AA)

[View in PatBase](#)

Title

[EN] THERAPEUTIC COMPOSITIONS COMPRISING AN RNAI AGENT AND A NEUROTROPHIC FACTOR AND METHODS OF USE THEREOF

Abstract

[EN] The invention provides novel combination therapies for treating Huntington's disease which comprise a) BDNF or suitable fragments thereof and b) agents capable of causing inhibition of a gene responsible for the neurodegenerative disease. The invention provides nucleic acid sequences, methods, and systems suitable for applications of these combination therapies.

International Class: A01K67/00; A01K67/027; A61K31/7088; A61K38/17; A61P25/22; C07H21/04; C12N1/19; C12N1/21; C12N5/10; A61K31/7105; A61K31/711; A61K38/16; A61P25/00; C07H21/02; C12N15/74; A61K31/70; A61K48/00; C12N15/11; A01N43/04; C07H21/00

Cooperative Patent Class: A61K31/7088; A61K38/00; A61P25/22; C07K14/475; A01K2227/105; A01K2227/106; A01K2267/0318; A61K48/00; A61P25/00; C12N15/113; C12N2310/111; C12N2310/14; C12N2320/31; C12N2799/025

US Class: 435/252.3; 435/252.300S; 435/254.2; 435/254.200S; 435/320.1; 435/320.100S; 435/325; 435/325S; 435/348; 435/348S; 514/1.1; 514/1.100S; 514/12; 514/18.2; 514/18.200P; 514/18.200S; 514/44; 514/44.00AS; 514/44.00R; 514/44.00RS; 514/44A; 514/44R; 536/23.1; 536/23.100S; 536/23.5; 536/23.500S; 536/24.1; 536/24.5; 800/13; 800/13S; 800/14; 800/14S; 800/18; 800/18P; 800/18S

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Patent Number	Publication Date	Application Number	Application Date
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US8173614 BB	20120508	US20090580973	20091016
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Priority Numbers: US20070878371P [20070103]; WO2008US50089 [20080103]; US20090580973 [20091016]; US20090522153 [20090708]; US20080522153 [20080103]

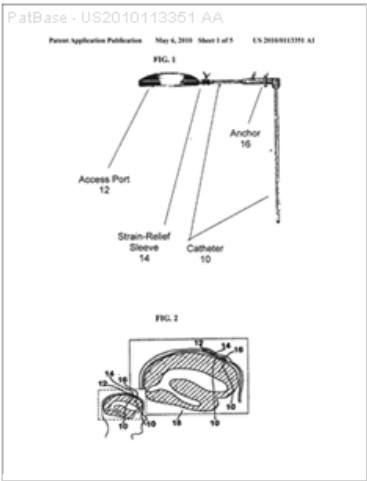
Probable Patent Assignee: MEDTRONIC INC

Assignees: MEDTRONIC INC; BURRIGHT ERIC N; BURRIGHT ERIC NEAL; HEISEL JENNIFER; KAEEMMERER WILLIAM F; THAKKER DEEPAK RAMESH; BURRIGHT ERIC

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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; 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; 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; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG; SI; SK; SL; SM; SN; SV; SY; SZ; TD; TG; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW; CL; PE; ST; TH



10. Family 34246635 (US2009264358 AA)

[View in PatBase](#)

Title

[EN] VEGF RECEPTOR FUSION PROTEINS, THEIR PHARMACEUTICAL COMPOSITIONS AND THERAPEUTIC APPLICATIONS FOR THE EYE DISEASES

Abstract

[EN] Vascular endothelial growth factor (VEGF) receptor fusion protein comprising Ig domain 2 of Flt-1 and Ig domains 3, or Ig domain 2 of Flt-1 and Ig domain 3 and 4 of KDR, the gene encoding the fusion protein, the pharmaceutical composition containing the fusion protein and the pharmaceutical use of the fusion protein are provided. The fusion protein can be used for treatment of eye disorders involving angiogenesis such as diabetic retinopathy.

International Class: A61K38/17; A61P27/00; A61P27/02; C07K19/00; C12N15/62; C12N15/63; A61K38/18; A61K39/395; A61K38/00; A61K47/10; A61K47/26; A61K47/34; A61P9/00; C07K14/435; C07K14/71; C12N15/09; C12P21/02; A61K38/16; C07H21/00; A61P27/06; C12N5/10; C12P21/04

Cooperative Patent Class: A61K38/00; A61K38/17; A61P27/02; A61P9/00; C07K14/71; C07K19/00; C07K23/30; C12N15/62; A61P27/06

US Class: 424/134.1; 424/134.100P; 424/192.1; 435/320.1; 435/358; 435/358S; 435/69.6; 435/69.600S; 435/69.7; 514/1.1; 514/12; 514/13.3; 514/13.300S; 514/7.6; 530/350; 530/387.3; 530/387.300S; 536/23.4

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Patent Number	Publication Date	Application Number	Application Date
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WO07112675 A1	20071011	WO2007CN001021	20070329
WO07112675 A8	20090709	WO2007CN001021	20070329

Priority Numbers: CN200610066257 [20060331]; WO2007CN001021 [20070329]; WO2007CN01021 [20070329]; CN200710066257 [20070331]; US20090457478 [20090611]; US20080241017 [20080929]

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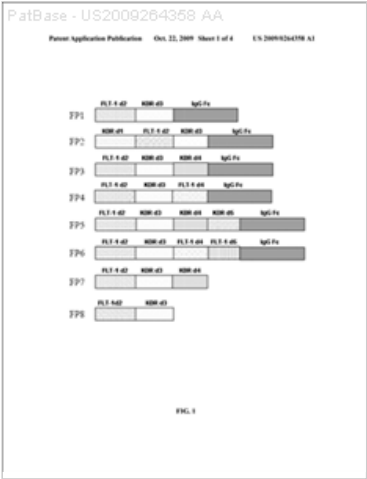
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Designated States: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MT; NL; PL; PT; RO; SE; SI; SK; TR; AE; AG; AL; AM; AU; AZ; BA; BB; BF; BH; BJ; BR; BW; BY; BZ; CA; CF; CG; CI; CM; CN; CO; CR; CU; DM; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; HR; ID; IL; IN; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS;



LY; MA; MD; MG; MK; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NO; NZ; OM; PG; PH; RS; RU; SC; SD; SG; SL; SM; SN;
SV; SY; SZ; TD; TG; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

11. Family 56019336 (US2015210771 AA)

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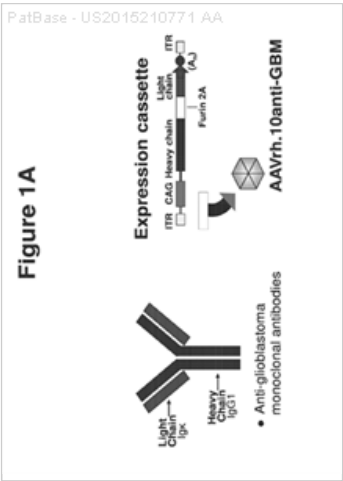
Title
[EN] TREATMENT OF BRAIN CANCERS USING CENTRAL NERVOUS SYSTEM MEDIATED GENE TRANSFER OF MONOCLONAL ANTIBODIES

Abstract
[EN] The invention provides methods to inhibit or treat brain cancers by locally inhibiting expression or activity of growth factors or growth factor receptors.

International Class: C07K16/22; C07K16/24; C07K16/28; C07K16/30; A61K48/00; A61K39/395

Cooperative Patent Class: A61K2039/505; A61K48/00; A61K48/005; C07K16/22; C07K16/24; C07K16/2863; C07K16/3053; C07K2317/21; C07K2317/24; C12N2750/14141; C12N2799/025

US Class: 435/320.1; 514/44R



Family Information

Patent Number	Publication Date	Application Number	Application Date
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US2021171656 AA	20210610	US20200927675	20200713
WO14043480 A1	20140320	WO2013US59674	20130913

Priority Numbers: US20120700599P [20120913]; WO2013US59674 [20130913]; US20130426347 [20130913]; US20150426347 [20150305]; US20200927675 [20200713]

Probable Patent Assignee: MEMORIAL SLOAN KETTERING CANCER CENTER

Assignees: CRYSTAL RONALD G; HICKS MARTIN J; KAMINSKY STEPHEN M; MEMORIAL SLOAN KETTERING CANCER CENTER; TABAR VIVIAN; UNIV CORNELL

Non Std Assignees: CORNELL UNIV

Inventors: HICKS MARTIN J; KAMINSKY STEPHEN M; TABAR VIVIAN; CRYSTAL RONALD G; TABAR VIVIANE

Agent(s): PERDOK MONIQUE M ET AL; SCHWEGMAN LUNDBERG AND WOESSNER PA

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; 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

12. Family 29774054 (US2003228282 AA)

[View in PatBase](#)

Title

[EN] ADENO-ASSOCIATED VIRUS (AAV) SEROTYPE 8 SEQUENCES, VECTORS CONTAINING SAME, AND USES THEREFOR

Abstract

[EN] Sequences of a serotype 8 adeno-associated virus and vectors and host cells containing these sequences are provided. Also described are methods of using such host cells and vectors in production of rAAV particles. rAAV8-mediated delivery of therapeutic and immunogenic genes, including Factor VIII, is also provided.

International Class: A61K39/235; A61K48/00; A61P1/18; A61P11/00; A61P31/20; A61P7/04; C07K14/015; C07K14/755; C12N1/15; C12N1/19; C12N1/21; C12N15/09; C12N15/864; C12N5/08; C12N5/10; C12N7/00; C12N7/01; C07H21/04; C07K7/04; C07K7/06; C07K7/08; C12N15/63; C12N15/64; C12N7/04; A61K35/76; C07K14/15; A61K35/761; A61K38/17; A61K38/45; A61K38/48; A61K9/00; C07K14/005; C07K14/705; C12N15/86; C12N9/10; C12N9/64; C12N5/00; A61K38/16; A61K39/12; C07K14/075; C12N15/11; C12N15/861; A61K31/70; A61K39/00; A61P43/00; C12N15/00; C12N5/06; C12N15/87; C12N15/35; C12P21/00; C12Q1/68; C12Q1/70; C12N15/85

Cooperative Patent Class: A61K35/761; A61K38/177; A61K38/45; A61K38/4846; A61K48/00; A61K9/0019; A61P1/18; A61P11/00; A61P31/20; A61P43/00; A61P7/04; C07K14/005; C07K14/705; C07K14/755; C12N15/86; C12N15/8645; C12N2750/14122; C12N2750/14143; C12N2750/14152; C12N2830/008; C12N2830/48; C12N2830/85; C12N7/00; C12N9/1018; C12N9/644; C12Y201/03003; C12Y304/21021; C12Y304/21022

US Class: 1/1; 424/186.1; 424/186.100P; 424/199.1; 424/233.1; 424/233.100P; 424/93.1; 424/93.2; 424/93.200P; 424/93.200S; 424/93.6; 435/235.1; 435/235.100S; 435/252.3; 435/254.2; 435/320.1; 435/320.100S; 435/325; 435/325S; 435/348; 435/350; 435/352; 435/353; 435/356; 435/357; 435/364; 435/365; 435/367; 435/369; 435/370; 435/372; 435/372S; 435/375; 435/375S; 435/455; 435/455P; 435/456; 435/456S; 435/69.1; 435/69.6; 514/1.8; 514/1.800S; 514/12; 514/14.1; 514/14.100S; 514/3.8; 514/3.800S; 514/44; 514/44.00RS; 514/44R; 530/324; 530/325; 530/326; 530/327; 530/328; 530/35; 530/350; 530/350S; 536/23.72; 536/23.720S

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JP2005512533 T2	20050512	JP20030552918T	20021112
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Patent Number	Publication Date	Application Number	Application Date
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US10301650 BB	20190528	US20170582815	20170501
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US2003228282 AA	20031211	US20030423704	20030425
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Priority Numbers: US20010341151P [20011217]; US20020377133P [20020501]; US20020386122P [20020605]; WO2002US33630 [20021112]; EP20020795539 [20021112]; EP20100189725 [20021112]; EP20100189725 [20101102]; JP20030552918 [20021112]; JP20030552918T [20021112]; US20070899500 [20070906]; US20030423704 [20030425]; US20150598462 [20150116]; US20160298760 [20161020]; US20070981022 [20071031]; US20160084615 [20160330]; US20170582815 [20170501]; US20180142921 [20180926]; US20210145844 [20210111]; US20210492229 [20211001]; US20200804401 [20200228]; US20190377895 [20190408]; US20070981191 [20071031]; US20130025951 [20130913]; US20150598477 [20150116]; US20050598462 [20050116]

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

13. Family 70342934 (US2018186878 AA)

[View in PatBase](#)

Title
[EN] CHIMERIC RECEPTORS AND METHODS OF USE THEREOF

Abstract
[EN] The present disclosure is related to compositions that include polynucleotides encoding chimeric receptors, methods of delivering polynucleotides encoding chimeric receptors to immune cells, and methods of using immune cells encoding chimeric receptors to treat or prevent cancer.

International Class: A61K39/00; A61K39/395; C07K14/705; C07K14/725; C07K16/24; C07K16/28

Cooperative Patent Class: A61K2039/507; A61K2039/5156; A61K2039/5158; A61K39/0011; A61K39/3955; C07K14/7051; C07K14/70517; C07K16/244; C07K16/2803; C07K16/2818; C07K16/2827; C07K16/2878; C07K2317/53; C07K2317/622; C07K2317/75; C07K2317/76; C07K2319/02; C07K2319/03; C07K2319/033; C07K2319/30

US Class: 1/1; 424/134.1

Family Information

Patent Number	Publication Date	Application Number	Application Date
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US2018186878 AA	20180705	US20170498004	20170426
US2021101978 AA	20210408	US20200107302	20201130

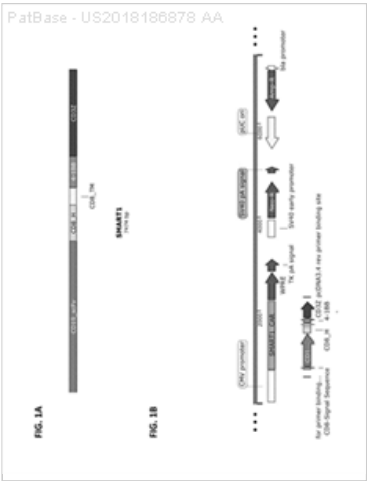
Priority Numbers: US20160327954P [20160426]; US20170498004 [20170426]; US20200107302 [20201130]

Probable Patent Assignee: ALECTOR LLC

Assignees: ALECTOR LLC

Inventors: ROSENTHAL ARNON

Agent(s): MORRISON AND FOERSTER LLP; MORRISON AND FOERSTER LLP



14. Family 55352627 (WO13184209 A1)

[View in PatBase](#)

Title
[EN] MIF FOR USE IN METHODS OF TREATING SUBJECTS WITH A NEURODEGENERATIVE DISORDER

Abstract
[EN] Described herein are materials and methods of prophylaxis and therapy for subjects with (or at risk for) a neurodegenerative disorder, such as amyotrophic lateral sclerosis, Alzheimer's Disease, Parkinson's Disease and Huntington's Disease.

International Class: A61K38/17; A61P25/28

Cooperative Patent Class: A61K38/1709; A61P25/28



Family Information

Patent Number	Publication Date	Application Number	Application Date
WO13184209 A1	20131212	WO2013US31449	20130314

Priority Numbers: US20120655198P [20120604]

Probable Patent Assignee: LUDWIG INST FOR CANCER RES LTD

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Agent(s): BRASHEAR JEANNE M ET AL

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; 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; 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

15. Family 70342931 (US2018186855 AA)

[View in PatBase](#)

Title
[EN] CHIMERIC RECEPTORS AND METHODS OF USE THEREOF

Abstract
[EN] The present disclosure is related to compositions that include polynucleotides encoding chimeric receptors, methods of delivering polynucleotides encoding chimeric receptors to immune cells, and methods of using immune cells encoding chimeric receptors to treat or prevent a neurological disease, disorder, or injury.

International Class: A61K35/14; A61K39/00; A61K49/00; C07K14/705; C07K14/715; C07K14/725; C07K16/18; A61P25/28; C07K14/47; C12N5/00

Cooperative Patent Class: A01K2227/105; A01K2267/0312; A61K2039/5154; A61K2039/5156; A61K35/15; A61K38/00; A61K39/0007; A61K48/00; A61K48/005; A61P25/28; C07K14/4711; C07K14/7051; C07K14/70517; C07K14/7153; C07K16/18; C07K2317/622; C07K2319/02; C07K2319/03; C07K2319/33; C12N2740/16043; C12N5/00

US Class: 1/1; 424/9.2

Family Information

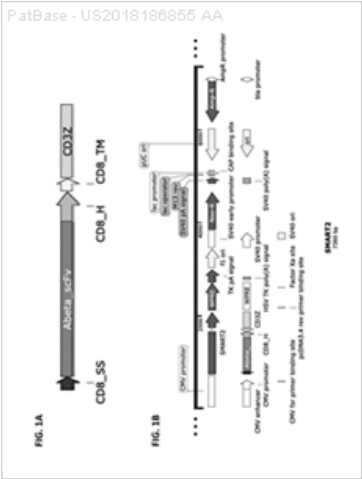
Patent Number	Publication Date	Application Number	Application Date
US2018186855 AA	20180705	US20170466541	20170322
US2019233496 AA	20190801	US20180121297	20180904

Priority Numbers: US20160312375P [20160323]; US20170466541 [20170322]; US20180121297 [20180904]

Probable Patent Assignee: ALECTOR LLC

Assignees: ALECTOR LLC

Inventors: ROSENTHAL ARNON



16. Family 55189275 (US2013323302 AA)

[View in PatBase](#)

Title
[EN] TREATMENT OF AMD USING AAV SFLT-1

Abstract
[EN] The present disclosure provides compositions and methods for the prevention or treatment of ocular neovascularization, such as AMD, in a human subject, by administering subretinally a pharmaceutical composition comprising a pharmaceutically effective amount of a vector comprising a nucleic acid encoding soluble Fms-related tyrosine kinase-1 (sFlt-1) protein to the human subject.

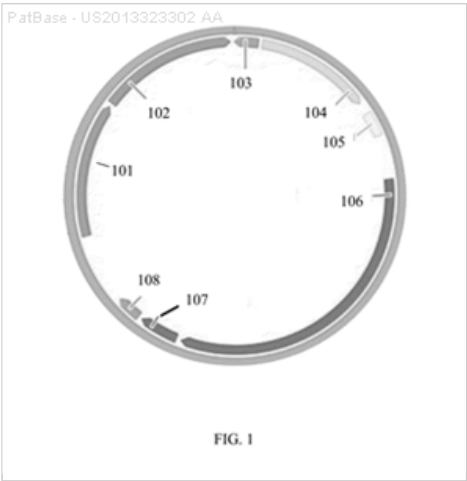
International Class: A61K35/76; A61K39/00; A61K45/06; A61K48/00; C12N15/00; C12N15/86; A61K38/45; A61K39/395; A61P27/02; C12N15/13; C12N15/18; C12N7/01; A61K31/7088; A61K38/17; A61K9/00; A61P27/10; C07K14/71; C07K16/08; C07K16/22; C12N9/12; A61K; C12N; A61F; A61K35/761; A61K49/00; A61P3/10; A61P9/14; C12N7/00; A61B3/032; A61P43/00; A61P9/00; A61P9/10; C07K16/24; C12N15/09; C12N5/10; C12N7/02; C12N1/15; C12N1/19; C12N1/21; A61K35/763; C07H21/04; C12N15/12; C12N15/54; C12N15/864; A61K38/43; A61K45/00; C12N15/62; C12N15/63; C12N15/861; C12N15/863; C12N15/867; C12N15/869; A61K31/00; A61K38/00; A61P27/00; C07K14/00; C07K16/00; C12N9/00

Cooperative Patent Class: A61B3/032; A61K2039/505; A61K2300/00; A61K31/7088; A61K35/761; A61K38/179; A61K38/45; A61K39/395; A61K45/06; A61K48/00; A61K48/0075; A61K49/0004; A61K9/0048; A61P27/02; A61P27/10; A61P3/10; A61P43/00; A61P9/00; A61P9/10; A61P9/14; C07K14/71; C07K16/081; C07K16/22; C07K2317/24; C07K2317/55; C07K2317/73; C07K2319/32; C12N15/86; C12N2710/14044; C12N2750/14141; C12N2750/14142; C12N2750/14143; C12N2750/14171; C12N7/00; C12N9/12; C12Y207/10; C12Y207/10001; C12Y207/10002

US Class: 1/1; 424/450; 424/9.2; 424/93.2; 435/235.1; 435/239; 435/320.1; 435/369; 514/44R; 536/23.2

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Priority Numbers: US20120647461P [20120515]; US20120670535P [20120711]; US20130775440P [20130308]; US20120691660P [20120821]; US20120678555P [20120801]; WO2013US40011 [20130507]; AU20130263159 [20130507]; AU20180211212 [20180731]; AU20210200253 [20210115]; EP20180198081 [20130507]; EP20130791695 [20130507]; HK20150108214 [20150825]; US20130775440P [20130328]; IN2014KN02795 [20141203]; JP20150512688T [20130507]; JP20170209139 [20171030]; JP20170209139 [20130507]; JP20190028448 [20190220]; JP20190028448 [20130507];

JP20200209916 [20201218]; JP20200209916 [20130507]; JP20220077005 [20220509]; KR20147035050 [20130507]; KR20207025521 [20130507]; MX20140013933 [20141114]; NZ20130702637 [20130507]; US20130889275 [20130507]; US20170851650 [20171221]; US20140281749 [20140519]; US20140281765 [20140519]; US20140281783 [20140519]; US20180961654 [20180424]; US20210328705 [20210524]; US20120694660P [20120829]

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

17. Family 85990802 (WO21141986 A1)

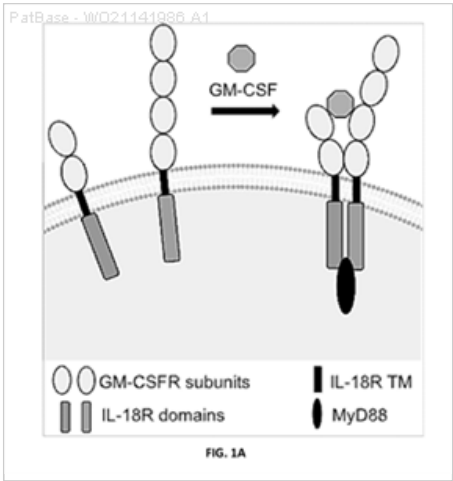
[View in PatBase](#)

Title
[EN] CHIMERIC GMCSF-IL18 RECEPTOR

Abstract
[EN] The present invention provides chimeric cytokine receptors, particularly chimeric cytokine receptors that can be activated in tumor microenvironment, and their uses in tumor immunotherapy (e.g., adoptive cell therapy). The present invention further provides methods of genetically modifying therapeutic cells resulting in an enhanced immune response against a target antigen. The application further provides therapeutic cells that express said chimeric cytokine receptors and methods for treating patients using the modified therapeutic cells.

International Class: A61K38/00; A61K38/19; A61K38/20; C07K14/52; C07K14/54; C07K19/00

Cooperative Patent Class: A61K38/00; C07K14/7153; C07K14/7155; C07K2319/03



Family Information

Patent Number	Publication Date	Application Number	Application Date
WO21141986 A1	20210715	WO2021US12307	20210106

Priority Numbers: US20200958037P [20200107]

Probable Patent Assignee: ST JUDE CHILDRENS RES HOSPITAL INC

Assignees: ST JUDE CHILDRENS RES HOSPITAL INC

Non Std Assignees: ST JUDE CHILDREN S RESEARCH HOSPITAL INC

Inventors: GOTTSCHALK STEPHEN; SAND LAURENS; LANGE SHANNON

Agent(s): SULLIVAN NICOLE R ET AL; TROUTMAN PEPPER HAMILTON SANDERS 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; DJ; 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; IR; IS; IT; JO; JP; KE; KG; KH; KM; KN; KP; KR; KW; KZ; LA; LC; 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; WS; ZA; ZM; ZW