

P-2018-15954 TRAD LIST SEC
SLISTADO DE SECUENCIAS

<110> Yisum Research Development Company of the Hebrew
University of Jerusalem Ltd.
University of Rijeka Faculty of Medicine

<120> ANTICUERPOS ESPECÍFICOS DEL RECEPTOR DE POLIOVIRUS HUMANO (PVR)

<130> Yisum/0137 PCT

<150> US 62/301727
<151> 2016-03-01

<150> US 62/364924
<151> 2016-07-21

<160> 86

<170> PatentIn version 3.5

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Trp Met Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Ile
35 40 45

Gly Glu Ile His Pro Asp Ser Ser Lys Ile Asn Tyr Thr Pro Ser Gln
50 55 60

Lys Asp Lys Phe Ile Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Phe
65 70 75 80

Leu Gln Met Ser Lys Val Arg Phe Glu Asp Thr Ala Leu Tyr Phe Cys
85 90 95

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35 40 45

Ser Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg His Thr Gly Val
50 55 60

Pro Asp Arg Phe Thr Gly Ser Glu Ser Gly Thr Asp Phe Thr Leu Thr
65 70 75 80

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35 40 45

Trp Ile Gly Gly Ile Asp Pro Asn Asn Gly Gly Thr Asn Tyr Asn Gln
50 55 60

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Asn Phe Lys Gly Lys Ala Thr Leu Thr Val Asp Lys Ser Ser Ser Thr
65 70 75 80

Ala Tyr Met Glu Leu Arg Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr
85 90 95

Tyr Cys Ala Gly Val Ile Pro Leu Glu Tyr Trp Gly Gln Gly Thr Ser
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Val Thr Val Ser Ser Ala Lys Thr Thr Pro Pro Ser Val Tyr Val Asp
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Tyr Ser Ala Ser Tyr Arg Tyr Arg Gly Val Pro Asp Arg Phe Thr Gly
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65 70 75 80

Glu Asp Leu Ala Asp Tyr Phe Cys Gln Gln Tyr Asn Ser Tyr Pro Leu
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P-2018-15954 TRAD LIST SEC

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Glu	Trp	Ile	Lys	Gln	Arg	Pro	Gly	His	Gly	Leu	Glu	Trp	Ile	Gly	Glu
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Lys	Ala	Thr	Phe	Thr	Ala	Asp	Thr	Ser	Ser	Asp	Thr	Thr	Tyr	Met	Gln
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Leu	Ser	Ser	Leu	Thr	Ser	Ala	Asp	Ser	Ala	Val	Tyr	Tyr	Cys	Ala	Arg
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Thr	Lys	Ile	Tyr	Gly	Asn	Ser	Phe	Asp	Tyr	Trp	Gly	Gln	Gly	Thr	Thr
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Leu	Thr	Val
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Val Val Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Lys Leu Leu Ile
35 40 45

Tyr Trp Ala Ser Ser Arg His Asn Gly Val Pro Asp Arg Phe Thr Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Asn Val Gln Ser
65 70 75 80

Glu Asp Leu Ser Asp Tyr Phe Cys Gln Gln Tyr Ser Arg Tyr Pro Leu
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 20 25 30

Val Val Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Lys Leu Leu Ile
 35 40 45

Tyr Trp Ala Ser Ser Arg His Ala Gly Val Pro Asp Arg Phe Thr Gly
 50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Asn Val Gln Ser
 65 70 75 80

Glu Asp Leu Ser Asp Tyr Phe Cys Gln Gln Tyr Ser Arg Tyr Pro Leu
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Thr Phe Gly Ala Gly Thr Lys Leu Glu Leu Lys
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Asp Arg Val Asn Ile Thr Cys Lys Ala Ser Gln Asp Val Gly Thr Ala
 20 25 30

Val Val Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Lys Leu Leu Ile
 35 40 45

Tyr Trp Ala Ser Ser Arg His Arg Gly Val Pro Asp Arg Phe Thr Gly
 50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Asn Val Gln Ser
 65 70 75 80

Glu Asp Leu Ser Asp Tyr Phe Cys Gln Gln Tyr Ser Arg Tyr Pro Leu
 85 90 95

Thr Phe Gly Ala Gly Thr Lys Leu Glu Leu Lys
 100 105

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20 25 30

Val Val Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Lys Leu Leu Ile
35 40 45

Tyr Trp Ala Ser Ser Arg His Asp Gly Val Pro Asp Arg Phe Thr Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Asn Val Gln Ser
65 70 75 80

Glu Asp Leu Ser Asp Tyr Phe Cys Gln Gln Tyr Ser Arg Tyr Pro Leu
85 90 95

Thr Phe Gly Ala Gly Thr Lys Leu Glu Leu Lys
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20 25 30

Val Val Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Lys Leu Leu Ile
35 40 45

Tyr Trp Ala Ser Ser Arg His Glu Gly Val Pro Asp Arg Phe Thr Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Asn Val Gln Ser
65 70 75 80

P-2018-15954 TRAD LIST SEC

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Thr Phe Gly Ala Gly Thr Lys Leu Glu Leu Lys
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20 25 30

Val Val Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Lys Leu Leu Ile
35 40 45

Tyr Trp Ala Ser Ser Arg His Pro Gly Val Pro Asp Arg Phe Thr Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Asn Val Gln Ser
65 70 75 80

Glu Asp Leu Ser Asp Tyr Phe Cys Gln Gln Tyr Ser Arg Tyr Pro Leu
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Thr Phe Gly Ala Gly Thr Lys Leu Glu Leu Lys
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Asp Arg Val Asn Ile Thr Cys Lys Ala Ser Gln Asp Val Gly Thr Ala
20 25 30

Val Val Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Lys Leu Leu Ile
35 40 45

Tyr Trp Ala Ser Ser Arg His Thr Gly Val Pro Asp Arg Phe Thr Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Asn Val Gln Ser
65 70 75 80

Glu Asp Leu Ser Asp Tyr Phe Cys Gln Gln Tyr Ser Arg Tyr Pro Leu
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Thr Phe Gly Ala Gly Thr Lys Leu Glu Leu Lys
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<400> 61

Trp Ala Ser Ser Arg His Thr
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gggcaatctc ctaagttgct gatctattgg gcatccagtc ggcacgctgg ggtcccagat 180

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P-2018-15954 TRAD LIST SEC

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aggttcacag gcagtggatc tgggacagat ttcactctca ccatcagcaa tgtgcagtct 240

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gggcaatctc ctaagttgct gatctattgg gcatccagtc ggcacgatgg ggtcccagat 180

aggttcacag gcagtggatc tgggacagat ttcactctca ccatcagcaa tgtgcagtct 240

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<213> Secuencia Artificial

<220>

<223> Polinucleótido mutado

<400> 65

gacatcatga tgaccagtc tcacaaattc atgtctacat ctgtaggaga cagagtcaac	60
atcacttgca aggcgagtc ggcgtgggt actgctgtgg tctggatca gcagaaacca	120
gggcaatctc ctaagttgct gatctattgg gcatccagtc ggcacgaggg ggtcccagat	180
aggttcacag gcagtggatc tgggacagat ttcactctca ccatcagcaa tgtgcagtct	240
gaagatttgt cagattattt ctgccaacag tatagcagat accctctcac attcggggct	300
gggaccaagc tggagctcaa a	321

<210> 66

<211> 321

<212> ADN

<213> Secuencia Artificial

<220>

<223> Polinucleótido mutado

<400> 66

gacatcatga tgaccagtc tcacaaattc atgtctacat ctgtaggaga cagagtcaac	60
atcacttgca aggcgagtc ggcgtgggt actgctgtgg tctggatca gcagaaacca	120
gggcaatctc ctaagttgct gatctattgg gcatccagtc ggcaccctgg ggtcccagat	180
aggttcacag gcagtggatc tgggacagat ttcactctca ccatcagcaa tgtgcagtct	240
gaagatttgt cagattattt ctgccaacag tatagcagat accctctcac attcggggct	300
gggaccaagc tggagctcaa a	321

<210> 67

<211> 321

<212> ADN

<213> Secuencia Artificial

<220>

<223> Polinucleótido mutado

<400> 67

gacatcatga tgaccagtc tcacaaattc atgtctacat ctgtaggaga cagagtcaac	60
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P-2018-15954 TRAD LIST SEC						
atcacttgca	aggcgagtca	ggatgtgggt	actgctgtgg	tctggtatca	gcagaaacca	120
gggcaatctc	ctaagttgct	gatctattgg	gcatccagtc	ggcacactgg	gtcccgat	180
aggttcacag	gcagtggatc	tgggacagat	ttcactctca	ccatcagcaa	tgtgcagtct	240
gaagatttgt	cagattattt	ctgccaacag	tatagcagat	accctctcac	attcggggct	300
gggaccaagc	tggagctcaa	a				321

<210> 68
<211> 356
<212> ADN
<213> Mus musculus

<400>	68
gaggtgaagc ttctcgagtc tggagggtggc ctggtgcagc ctggaggatc cctgaaactc	60
tcctgtgcag cctcaggatt cgattttagt agatactgga tgacttgggt ccggcaggct	120
ccagggaaag ggctagaatg gatttgagaa attcatccag atagcagtaa gataaactat	180
acgccatctc aaaaggataa attcatcatc tccagagaca acgccaajaaa tacgctgttc	240
ctgcaaatga gcaaagtgap atttgaggac acagcccitt atttctgtgc aagacctgat	300
ggtaactaca atgctctgga ctactgggggt caaggaacct cagtcaccgt ctcctc	356

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<210> 69
<211> 119
<212> PRT
<213> Mus musculus
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<400> 69

Glu Val Lys Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Asp Phe Ser Arg Tyr
20 25 30

Trp Met Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Ile
35 40 45

Gly Glu Ile His Pro Asp Ser Ser Lys Ile Asn Tyr Thr Pro Ser Gln
50 55 60

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Lys Asp Lys Phe Ile Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Phe
65 70 75 80

Leu Gln Met Ser Lys Val Arg Phe Glu Asp Thr Ala Leu Tyr Phe Cys
85 90 95

Ala Arg Pro Asp Gly Asn Tyr Asn Ala Leu Asp Tyr Trp Gly Gln Gly
100 105 110

Thr Ser Val Thr Val Ser Ser
115

<210> 70
<211> 321
<212> ADN
<213> Mus musculus

<400> 70
gacattgtga tgaccagtc tcacaaattc atgtccacat cagtgggaga cagggtcagc 60
atcacctgca aggccagtca ggatgtgggt actgctgtaa cctgggtatca acagaaacca 120
ggacaatctc ctaaactact gatttactgg gcatccaccc ggcacactgg agtcctgat 180
cgcttcacag gcagtgaatc tgggacagat ttcactctca ccattagtga tgtgcaatct 240
gaagacttgg caaattatct ctgtcagcaa tatagcaggt atccgtacac gttcggaggg 300
gggaccaagc tggaaataaa a 321

<210> 71
<211> 107
<212> PRT
<213> Mus musculus

<400> 71

Asp Ile Val Met Thr Gln Ser His Lys Phe Met Ser Thr Ser Val Gly
1 5 10 15

Asp Arg Val Ser Ile Thr Cys Lys Ala Ser Gln Asp Val Gly Thr Ala
20 25 30

Val Thr Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Lys Leu Leu Ile

35

40

45

Tyr Trp Ala Ser Thr Arg His Thr Gly Val Pro Asp Arg Phe Thr Gly
 50 55 60

Ser Glu Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Asp Val Gln Ser
 65 70 75 80

Glu Asp Leu Ala Asn Tyr Phe Cys Gln Gln Tyr Ser Arg Tyr Pro Tyr
 85 90 95

Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
 100 105

<210> 72
 <211> 345
 <212> ADN
 <213> Mus musculus

<400> 72
 gaggtccagc tgcaacagtc tggacctgag ctggtgaagc ctggggcttc agtgaagatt 60
 tcctgcaaga cttctggata cactttcact gaatacacca tgcactgggt gaagcagagc 120
 catggagaga gccttgagt gattggaggt attgataccta acaatggtgg tactaactac 180
 aaccagaact tcaagggcaa ggccacattg actgtagaca agtcctccag cacagcctac 240
 atggagctcc gcagcctgac atctgaggat tctgcggtct attactgtgc aggagtgatt 300
 cctctggagt actgggggca aggaacctca gtcaccgtct cctca 345

<210> 73
 <211> 115
 <212> PRT
 <213> Mus musculus

<400> 73

Glu Val Gln Leu Gln Gln Ser Gly Pro Glu Leu Val Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Ile Ser Cys Lys Thr Ser Gly Tyr Thr Phe Thr Glu Tyr
 20 25 30

P-2018-15954 TRAD LIST SEC

Thr Met His Trp Val Lys Gln Ser His Gly Glu Ser Leu Glu Trp Ile
35 40 45

Gly Gly Ile Asp Pro Asn Asn Gly Gly Thr Asn Tyr Asn Gln Asn Phe
50 55 60

Lys Gly Lys Ala Thr Leu Thr Val Asp Lys Ser Ser Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Arg Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys
85 90 95

Ala Gly Val Ile Pro Leu Glu Tyr Trp Gly Gln Gly Thr Ser Val Thr
100 105 110

Val Ser Ser
115

<210> 74
<211> 321
<212> ADN
<213> Mus musculus

<400> 74
gacattgtga tgaccagtc tcaaaaattc atgtccacat cagtaggaga cagagtcagc 60
gtcacctgca aggccagtca gaatgtgtat actaatgtag cctgggtatca acagaaacca 120
gggcaatctc ctaaagcact gatttactcg gcacccctacc ggtacagggg agtccctgat 180
cgcttcacag gcagtggatc tgggacagat ttcactctca ccatcagcaa tgtgcagtct 240
gaagacttgg cagactatatt ctgtcagcaa tataacagct atcctctcgc gttcggctcg 300
gggacaaaagt tggaataaaa a 321

<210> 75
<211> 107
<212> PRT
<213> Mus musculus

<400> 75

Asp Ile Val Met Thr Gln Ser Gln Lys Phe Met Ser Thr Ser Val Gly

P-2018-15954 TRAD LIST SEC

1	5	10	15
Asp Arg Val Ser Val Thr Cys Lys Ala Ser Gln Asn Val Tyr Thr Asn	20	25	30
Val Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Lys Ala Leu Ile	35	40	45
Tyr Ser Ala Ser Tyr Arg Tyr Arg Gly Val Pro Asp Arg Phe Thr Gly	50	55	60
Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Asn Val Gln Ser	65	70	75
Glu Asp Leu Ala Asp Tyr Phe Cys Gln Gln Tyr Asn Ser Tyr Pro Leu	85	90	95
Ala Phe Gly Ser Gly Thr Lys Leu Glu Ile Lys	100	105	

<210> 76
 <211> 357
 <212> ADN
 <213> Mus musculus

<400> 76	
caggttcagt tgcagcagtc tggagctgag ctgatgaagc ctggggcctc agtgaagatt	60
tcctgcaagg ctactggcta cacattcagt aactactgga ttgagtggat aaaacagagg	120
cctggacatg gccttgagtg gattggagag atttttcctg gaagtggctg tattaacttc	180
aatgagaagt tcaagggcaa ggccacattc actgcagaca catcctccga cacaacctac	240
atgcaactca gcagcctgac atctgcggac tctgccgtct attactgtgc aagaacgaag	300
atctatggta actcctttga ctactggggc caaggcacca ctctcacagt ctcccca	357

<210> 77
 <211> 119
 <212> PRT
 <213> Mus musculus

<400> 77

P-2018-15954 TRAD LIST SEC

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Leu Met Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Ile Ser Cys Lys Ala Thr Gly Tyr Thr Phe Ser Asn Tyr
20 25 30

Trp Ile Glu Trp Ile Lys Gln Arg Pro Gly His Gly Leu Glu Trp Ile
35 40 45

Gly Glu Ile Phe Pro Gly Ser Gly Arg Ile Asn Phe Asn Glu Lys Phe
50 55 60

Lys Gly Lys Ala Thr Phe Thr Ala Asp Thr Ser Ser Asp Thr Thr Tyr
65 70 75 80

Met Gln Leu Ser Ser Leu Thr Ser Ala Asp Ser Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Thr Lys Ile Tyr Gly Asn Ser Phe Asp Tyr Trp Gly Gln Gly
100 105 110

Thr Thr Leu Thr Val Ser Pro
115

<210> 78
<211> 321
<212> ADN
<213> Mus musculus

<400> 78
gacattatga tgaccagtc tcacaaattc atgtccacat cagtaggaga cagggtcaac 60
atcacctgca aggccagtc ggatgtgggt actgctgtgg tctggtatca acagaaacca 120
ggacaatctc ctaaattatt gatttactgg gcatccagtc ggcacaatgg agtccctgat 180
cgcttcacag gcagtggatc tgggacagat ttcactctca cgattagtaa tgtgcagtct 240
gaagacttgt cagattatct ctgtcagcaa tatagcaggt atccactcac attcggggct 300
gggaccaagc tggagctgaa a 321

P-2018-15954 TRAD LIST SEC

<210> 79
 <211> 107
 <212> PRT
 <213> Mus musculus

<400> 79

Asp Ile Met Met Thr Gln Ser His Lys Phe Met Ser Thr Ser Val Gly
 1 5 10 15

Asp Arg Val Asn Ile Thr Cys Lys Ala Ser Gln Asp Val Gly Thr Ala
 20 25 30

Val Val Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Lys Leu Leu Ile
 35 40 45

Tyr Trp Ala Ser Ser Arg His Asn Gly Val Pro Asp Arg Phe Thr Gly
 50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Asn Val Gln Ser
 65 70 75 80

Glu Asp Leu Ser Asp Tyr Phe Cys Gln Gln Tyr Ser Arg Tyr Pro Leu
 85 90 95

Thr Phe Gly Ala Gly Thr Lys Leu Glu Leu Lys
 100 105

<210> 80
 <211> 5
 <212> PRT
 <213> Mus musculus

<400> 80

Arg Tyr Trp Met Thr
 1 5

<210> 81
 <211> 17
 <212> PRT
 <213> Mus musculus

<400> 81

P-2018-15954 TRAD LIST SEC

Glu Ile His Pro Asp Ser Ser Lys Ile Asn Tyr Thr Pro Ser Gln Lys
1 5 10 15

Asp

<210> 82
<211> 10
<212> PRT
<213> Mus musculus

<400> 82

Pro Asp Gly Asn Tyr Asn Ala Leu Asp Tyr
1 5 10

<210> 83
<211> 5
<212> PRT
<213> Mus musculus

<400> 83

Glu Tyr Thr Met His
1 5

<210> 84
<211> 6
<212> PRT
<213> Mus musculus

<400> 84

Ser Asn Tyr Trp Ile Glu
1 5

<210> 85
<211> 10
<212> PRT
<213> Mus musculus

<400> 85

Lys Ala Ser Gln Asp Val Gly Thr Ala Val
1 5 10

P-2018-15954 TRAD LIST SEC

<210> 86
 <211> 329
 <212> PRT
 <213> Homo sapiens

<400> 86

Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys Ser
 1 5 10 15

Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe
 20 25 30

Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly
 35 40 45

Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu
 50 55 60

Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr Tyr
 65 70 75 80

Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys Lys
 85 90 95

Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro
 100 105 110

Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys
 115 120 125

Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val
 130 135 140

Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr
 145 150 155 160

Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu
 165 170 175

P-2018-15954 TRAD LIST SEC

Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His
 180 185 190

Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
 195 200 205

Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln
 210 215 220

Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met
 225 230 235 240

Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro
 245 250 255

Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn
 260 265 270

Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu
 275 280 285

Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val
 290 295 300

Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln
 305 310 315 320

Lys Ser Leu Ser Leu Ser Pro Gly Lys
 325