

2017-53600 Sequence Listing
LISTA DE SECUENCIAS

<110> MEDIMMUNE, LLC

<120> ANTICUERPOS ANTI-OX40 HUMANIZADOS Y USOS DE LOS MISMOS

<130> OX40H-100W01

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<150> 62/062,431

<151> 2014-10-10

<160> 98

<170> PatentIn versión 3.5

<210> 1

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<223> Descripción de Secuencia Artificial: Polipéptido sintético

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

Leu Asn Trp Tyr Gln Gln Lys Pro Asp Gly Thr Val Lys Leu Leu Ile
35 40 45

Tyr Tyr Thr Ser Lys Leu His Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Arg Thr Asp Tyr Ser Leu Thr Ile Thr Asp Leu Asp Gln
65 70 75 80

Glu Asp Ile Ala Thr Tyr Phe Cys Gln Gln Gly Ser Ala Leu Pro Trp
85 90 95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
100 105

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

Tyr Trp Asn Trp Ile Arg Lys Phe Pro Gly Asn Arg Leu Glu Tyr Met
35 40 45

Gly Tyr Ile Ser Tyr Asn Gly Ile Thr Tyr His Asn Pro Ser Leu Lys
50 55 60

Ser Arg Ile Ser Ile Thr Arg Asp Thr Ser Lys Asn His Tyr Tyr Leu
65 70 75 80

Gln Leu Asn Ser Val Thr Thr Glu Asp Thr Ala Thr Tyr Phe Cys Ala
85 90 95

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Arg Tyr Arg Tyr Asp Tyr Asp Gly Gly His Ala Met Asp Tyr Trp Gly
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Gln Gly Thr Leu Val Thr Val Ser Ser
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Thr Leu Ser Leu Thr Cys Ala Val Tyr Gly Gly Ser Phe Ser
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Thr Leu Ser Leu Thr Cys Ala Val Tyr Gly Asp Ser Phe Ser
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Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val Tyr Xaa Cys Ala Arg
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Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg
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 1 5 10 15

Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val Tyr Phe Cys Ala Arg
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Arg Ile Thr Ile Asn Arg Asp Thr Ser Lys Asn Gln Phe Ser Leu Gln
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Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg
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Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val Tyr Phe Cys Ala Arg
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Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg
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Arg Ile Thr Ile Asn Pro Asp Thr Ser Lys Asn Gln Tyr Ser Leu Gln
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Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val Tyr Phe Cys Ala Arg
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Arg Ile Thr Ile Asn Pro Asp Thr Ser Lys Asn Gln Tyr Ser Leu Gln
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Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg
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Tyr Arg Tyr Asp Tyr Asp Gly Gly His Ala Met Asp Tyr
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Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
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Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

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

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Tyr Thr Ser Lys Leu His Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Tyr Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Gly Ser Ala Leu Pro Trp
85 90 95

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

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Tyr Thr Ser Lys Leu His Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

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Ser Gly Ser Gly Thr Asp Tyr Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Gly Ser Ala Leu Pro Trp
85 90 95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg Thr Val Ala Ala
100 105 110

Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly
115 120 125

Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala
130 135 140

Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln
145 150 155 160

Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser
165 170 175

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

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

Tyr Tyr Thr Ser Lys Leu His Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Arg Thr Asp Tyr Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Gly Ser Ala Leu Pro Trp
85 90 95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
100 105

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

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

Gly Tyr Ile Ser Tyr Asn Gly Ile Thr Tyr His Asn Pro Ser Leu Lys
50 55 60

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

Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala
85 90 95

Arg Tyr Arg Tyr Asp Tyr Asp Gly Gly His Ala Met Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

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

Thr Leu Ser Leu Thr Cys Ala Val Tyr Gly Gly Ser Phe Ser Ser Gly
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20

25

30

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

Gly Tyr Ile Ser Tyr Asn Gly Ile Thr Tyr His Asn Pro Ser Leu Lys
50 55 60

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

Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala
85 90 95

Arg Tyr Arg Tyr Asp Tyr Asp Gly Gly His Ala Met Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

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

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

Tyr Trp Asn Trp Ile Arg Lys His Pro Gly Lys Gly Leu Glu Tyr Met
35 40 45

Gly Tyr Ile Ser Tyr Asn Gly Ile Thr Tyr His Asn Pro Ser Leu Lys
50 55 60

Ser Arg Ile Thr Ile Asn Arg Asp Thr Ser Lys Asn Gln Tyr Ser Leu
65 70 75 80

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

Arg Tyr Arg Tyr Asp Tyr Asp Gly Gly His Ala Met Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
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cccggcaagg gcctggaata catgggctac atcagctaca acggcatcac ctaccacaac 180

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Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln

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Gln Gly Thr Leu Val Thr Val Ser Ser
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2017-53600 Sequence Listing

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1 5 10 15

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

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

Gly Tyr Ile Ser Tyr Asn Gly Ile Thr Tyr His Asn Pro Ser Leu Lys
50 55 60

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

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

Arg Tyr Arg Tyr Asp Tyr Asp Gly Gly His Ala Met Asp Tyr Trp Gly
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Gln Gly Thr Leu Val Thr Val Ser Ser
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2017-53600 Sequence Listing

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1 5 10 15

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

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

Gly Tyr Ile Ser Tyr Asn Gly Ile Thr Tyr His Asn Pro Ser Leu Lys
50 55 60

Ser Arg Ile Thr Ile Asn Arg Asp Thr Ser Lys Asn Gln Tyr Ser Leu
65 70 75 80

Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala
85 90 95

Arg Tyr Arg Tyr Asp Tyr Asp Gly Gly His Ala Met Asp Tyr Trp Gly
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Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

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acctgtgccg tgtacggcga cagcttcagc agcggctact ggaactggat ccggaagcac	120
cccggcaagg gcctggaata catcggctac atcagctaca acggcatcac ctaccacaac	180
cccagcctga agtcccggat caccatcaac cgggacacca gcaagaacca gtactccctg	240
cagctgaaca gcgtgacccc cgaggacacc gccgtgtact actgcgcccg gtacagatac	300
gactacgacg gcggccacgc catggactac tggggccagg gcaccctggt caccgtgtcc	360
tct	363

<210> 45

<211> 121

<212> PRT

<213> Secuencia artificial

2017-53600 Sequence Listing

<220>

<223> Descripción de Secuencia Artificial: Polipéptido sintético

<400> 45

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

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

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

Gly Tyr Ile Ser Tyr Asn Gly Ile Thr Tyr His Asn Pro Ser Leu Lys
50 55 60

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

Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala
85 90 95

Arg Tyr Arg Tyr Asp Tyr Asp Gly Gly His Ala Met Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 46

<211> 363

<212> ADN

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia Artificial: Polinucleótido sintético

<400> 46

cagggtgcagc tgcaggaaag cggccctggc ctggtcaagc ccagccagac cctgagcctg	60
acctgtgccg tgtacggcga cagcttcagc agcggctact ggaactggat ccggaagcac	120
cccggcaagg gcctggaata catcgggtac atcagctaca acggcatcac ctaccacaac	180
cccagcctga agtcccggat caccatcaac cgggacacca gcaagaacca gttctccctg	240
cagctgaaca gcgtgacccc cgaggacacc gccgtgtact actgcgcccg gtacagatac	300
gactacgacg gcggccacgc catggactac tggggccagg gcaccctggg caccgtgtcc	360
tct	363

<210> 47

<211> 121

2017-53600 Sequence Listing

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia Artificial: Polipéptido sintético

<400> 47

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

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

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

Gly Tyr Ile Ser Tyr Asn Gly Ile Thr Tyr His Asn Pro Ser Leu Lys
50 55 60

Ser Arg Ile Thr Ile Asn Pro Asp Thr Ser Lys Asn Gln Tyr Ser Leu
65 70 75 80

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

Arg Tyr Arg Tyr Asp Tyr Asp Gly Gly His Ala Met Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 48

<211> 363

<212> ADN

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia Artificial: Polinucleótido sintético

<400> 48

caggtgcagc tgcaggaaag cggccctggc ctggtcaagc ccagccagac cctgagcctg	60
acctgtgccg tgtacggcgg cagcttcagc agcggctact ggaactggat ccggaagcac	120
cccggcaagg gcctggaata catcggctac atcagctaca acggcatcac ctaccacaac	180
cccagcctga agtcccggat caccatcaac cccgacacca gcaagaacca gtactccctg	240
cagctgaaca gcgtgacccc cgaggacacc gccgtgtact tctgcgcccc gtacagatac	300
gactacgacg gcggccacgc catggactac tggggccagg gcaccctggt caccgtgtcc	360
tct	363

2017-53600 Sequence Listing

<210> 49
<211> 121
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia Artificial: Polipéptido sintético

<400> 49
Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15

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

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

Gly Tyr Ile Ser Tyr Asn Gly Ile Thr Tyr His Asn Pro Ser Leu Lys
50 55 60

Ser Arg Ile Thr Ile Asn Arg Asp Thr Ser Lys Asn Gln Tyr Ser Leu
65 70 75 80

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

Arg Tyr Arg Tyr Asp Tyr Asp Gly Gly His Ala Met Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 50
<211> 363
<212> ADN
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia Artificial: Polinucleótido sintético

<400> 50
caggtgcagc tgcaggaaag cggccctggc ctggtcaagc ccagccagac cctgagcctg 60
acctgtgccg tgtacggcgg cagcttcagc agcggctact ggaactggat ccggaagcac 120
cccggcaagg gcctggaata catcggctac atcagctaca acggcatcac ctaccacaac 180
cccagcctga agtccccgat caccatcaac cgggacacca gcaagaacca gtactccctg 240
cagctgaaca gcgtgacccc cgaggacacc gccgtgtact tctgcgcccg gtacagatac 300
gactacgacg gcggccacgc catggactac tggggccagg gcaccctggt caccgtgtcc 360
tct 363

2017-53600 Sequence Listing

<210> 51
 <211> 121
 <212> PRT
 <213> Secuencia artificial

<220>
 <223> Descripción de Secuencia Artificial: Polipéptido sintético

<400> 51
 Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
 1 5 10 15

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

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

Gly Tyr Ile Ser Tyr Asn Gly Ile Thr Tyr His Asn Pro Ser Leu Lys
 50 55 60

Ser Arg Ile Thr Ile Asn Arg Asp Thr Ser Lys Asn Gln Tyr Ser Leu
 65 70 75 80

Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala
 85 90 95

Arg Tyr Arg Tyr Asp Tyr Asp Gly Gly His Ala Met Asp Tyr Trp Gly
 100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
 115 120

<210> 52
 <211> 363
 <212> ADN
 <213> Secuencia artificial

<220>
 <223> Descripción de Secuencia Artificial: Polinucleótido sintético

<400> 52
 caggtgcagc tgcaggaaag cggccctggc ctggtcaagc ccagccagac cctgagcctg 60
 acctgtgccg tgtacggcgg cagcttcagc agcggctact ggaactggat ccggaagcac 120
 cccggcaagg gcctggaata catcggctac atcagctaca acggcatcac ctaccacaac 180
 cccagcctga agtcccggat caccatcaac cgggacacca gcaagaacca gtactccctg 240
 cagctgaaca gcgtgacccc cgaggacacc gccgtgtact actgcgcccg gtacagatac 300
 gactacgacg gcggccacgc catggactac tggggccagg gcaccctggg caccgtgtcc 360

2017-53600 Sequence Listing

tct

363

<210> 53

<211> 121

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia Artificial: Polipéptido sintético

<400> 53

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

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

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

Gly Tyr Ile Ser Tyr Asn Gly Ile Thr Tyr His Asn Pro Ser Leu Lys
 50 55 60

Ser Arg Ile Thr Ile Asn Pro Asp Thr Ser Lys Asn Gln Tyr Ser Leu
 65 70 75 80

Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala
 85 90 95

Arg Tyr Arg Tyr Asp Tyr Asp Gly Gly His Ala Met Asp Tyr Trp Gly
 100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
 115 120

<210> 54

<211> 363

<212> ADN

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia Artificial: Polinucleótido sintético

<400> 54

caggtgcagc tgcaggaaag cggccctggc ctggtcaagc ccagccagac cctgagcctg 60

acctgtgccg tgtacggcgg cagcttcagc agcggctact ggaactggat ccggaagcac 120

cccggcaagg gcctggaata catcggctac atcagctaca acggcatcac ctaccacaac 180

cccagcctga agtcccggat caccatcaac cccgacacca gcaagaacca gtactccctg 240

cagctgaaca gcgtgacccc cgaggacacc gccgtgtact actgcgcccc gtacagatac 300

2017-53600 Sequence Listing

gactacgacg gcggccacgc catggactac tggggccagg gcaccctggt caccgtgtcc 360
tct 363

<210> 55
<211> 121
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia Artificial: Polipéptido sintético

<400> 55
Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15

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

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

Gly Tyr Ile Ser Tyr Asn Ala Ile Thr Tyr His Asn Pro Ser Leu Lys
50 55 60

Ser Arg Ile Thr Ile Asn Arg Asp Thr Ser Lys Asn Gln Tyr Ser Leu
65 70 75 80

Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala
85 90 95

Arg Tyr Lys Tyr Asp Tyr Asp Ala Gly His Ala Met Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 56
<211> 363
<212> ADN
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia Artificial: Polinucleótido sintético

<400> 56
caggtgcagc tgcaggaaag cggccctggc ctggtcaagc ccagccagac cctgagcctg 60
acctgtgccg tgtacggcgg cagcttcagc agcggctact ggaactggat ccggaagcac 120
cccggcaagg gcctggaata catcggctac atcagctaca acgcatcac ctaccacaac 180
cccagcctga agtcccggat caccatcaac cgggacacca gcaagaacca gtactccctg 240

2017-53600 Sequence Listing

cagctgaaca gcgtgacccc cgaggacacc gccgtgtact actgcgcccg gtacaaatac 300
gactacgacg ccggccacgc catggactac tggggccagg gcaccctggt caccgtgtcc 360
tct 363

<210> 57
<211> 121
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia Artificial: Polipéptido sintético

<400> 57
Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15

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

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

Gly Tyr Ile Ser Tyr Asn Ala Ile Thr Tyr His Asn Pro Ser Leu Lys
50 55 60

Ser Arg Ile Thr Ile Asn Arg Asp Thr Ser Lys Asn Gln Tyr Ser Leu
65 70 75 80

Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala
85 90 95

Arg Tyr Arg Tyr Asp Tyr Asp Gly Gly His Ala Met Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 58
<211> 363
<212> ADN
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia Artificial: Polinucleótido sintético

<400> 58
caggtgcagc tgcaggaaag cggccctggc ctggtcaagc ccagccagac cctgagcctg 60
acctgtgccg tgtacggcgg cagcttcagc agcggctact ggaactggat ccggaagcac 120
cccggcaagg gcctggaata catcggctac atcagctaca acgccatcac ctaccacaac 180

2017-53600 Sequence Listing

cccagcctga agtcccggat caccatcaac cgggacacca gcaagaacca gtactccctg 240
cagctgaaca gcgtgacccc cgaggacacc gccgtgtact actgcgcccc gtacagatac 300
gactacgacg gcggccacgc catggactac tggggccagg gcaccctggt caccgtgtcc 360
tct 363

<210> 59
<211> 121
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia Artificial: Polipéptido sintético

<400> 59
Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15

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

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

Gly Tyr Ile Ser Tyr Asn Gly Ile Thr Tyr His Asn Pro Ser Leu Lys
50 55 60

Ser Arg Ile Thr Ile Asn Arg Asp Thr Ser Lys Asn Gln Tyr Ser Leu
65 70 75 80

Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala
85 90 95

Arg Tyr Lys Tyr Asp Tyr Asp Gly Gly His Ala Met Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 60
<211> 363
<212> ADN
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia Artificial: Polinucleótido sintético

<400> 60
caggtgcagc tgcaggaaag cggccctggc ctggtcaagc ccagccagac cctgagcctg 60
acctgtgccg tgtacggcgg cagcttcagc agcggctact ggaactggat ccggaagcac 120

2017-53600 Sequence Listing

cccggaagg gcctggaata catcggctac atcagctaca acggcatcac ctaccacaac 180
cccagcctga agtccccgat caccatcaac cgggacacca gcaagaacca gtactccctg 240
cagctgaaca gcgtgacccc cgaggacacc gccgtgtact actgcgcccg gtacaaatac 300
gactacgacg gcggccacgc catggactac tggggccagg gcaccctggt caccgtgtcc 360
tct 363

<210> 61
<211> 121
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia Artificial: Polipéptido sintético

<400> 61
Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15

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

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

Gly Tyr Ile Ser Tyr Ser Gly Ile Thr Tyr His Asn Pro Ser Leu Lys
50 55 60

Ser Arg Ile Thr Ile Asn Arg Asp Thr Ser Lys Asn Gln Tyr Ser Leu
65 70 75 80

Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala
85 90 95

Arg Tyr Arg Tyr Asp Tyr Asp Gly Gly His Ala Met Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 62
<211> 363
<212> ADN
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia Artificial: Polinucleótido sintético

<400> 62
caggtgcagc tgcaggaaag cggccctggc ctggtcaagc ccagccagac cctgagcctg 60

2017-53600 Sequence Listing

acctgtgccg tgtacggcgg cagcttcagc agcggctact ggaactggat ccggaagcac	120
cccggcaagg gcctggaata catcgggtac atcagctaca gcggcatcac ctaccacaac	180
cccagcctga agtcccggat caccatcaac cgggacacca gcaagaacca gtactccctg	240
cagctgaaca gcgtgacccc cgaggacacc gccgtgtact actgcgcccg gtacagatac	300
gactacgacg gcggccacgc catggactac tggggccagg gcaccctggg caccgtgtcc	360
tct	363

<210> 63

<211> 121

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia Artificial: Polipéptido sintético

<400> 63

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

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

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

Gly Tyr	Ile Ser	Tyr Ser	Gly Ile	Thr Tyr	His Asn	Pro Ser	Leu Lys
50			55		60		

Ser Arg	Ile Thr	Ile Asn	Arg Asp	Thr Ser	Lys Asn	Gln Tyr	Ser Leu
65		70			75		80

Gln Leu	Asn Ser	Val Thr	Pro Glu	Asp Thr	Ala Val	Tyr Tyr	Cys Ala
	85			90			95

Arg Tyr	Lys Tyr	Asp Tyr	Asp Gly	Gly His	Ala Met	Asp Tyr	Trp Gly
	100			105		110	

Gln Gly	Thr Leu	Val Thr	Val Ser	Ser
115			120	

<210> 64

<211> 363

<212> ADN

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia Artificial: Polinucleótido sintético

2017-53600 Sequence Listing

<400> 64
caggtgcagc tgcaggaaag cggccctggc ctggtcaagc ccagccagac cctgagcctg 60
acctgtgccg tgtacggcgg cagcttcagc agcggctact ggaactggat ccggaagcac 120
cccggcaagg gcctggaata catcggctac atcagctaca gcggcatcac ctaccacaac 180
cccagcctga agtcccggat caccatcaac cgggacacca gcaagaacca gtactccctg 240
cagctgaaca gcgtgacccc cgaggacacc gccgtgtact actgcgcccc gtacaaatac 300
gactacgacg gcggccacgc catggactac tggggccagg gcaccctggt caccgtgtcc 360
tct 363

<210> 65
<211> 121
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia Artificial: Polipéptido sintético

<400> 65
Glu Val Gln Leu Gln Glu Ser Gly Pro Ser Leu Val Lys Pro Ser Gln
1 5 10 15

Thr Leu Ser Leu Thr Cys Ser Val Thr Gly Asp Ser Phe Thr Ser Gly
20 25 30

Tyr Trp Asn Trp Ile Arg Lys Phe Pro Gly Asn Arg Leu Glu Tyr Met
35 40 45

Gly Tyr Ile Ser Tyr Asn Ala Ile Thr Tyr His Asn Pro Ser Leu Lys
50 55 60

Ser Arg Ile Ser Ile Thr Arg Asp Thr Ser Lys Asn His Tyr Tyr Leu
65 70 75 80

Gln Leu Asn Ser Val Thr Thr Glu Asp Thr Ala Thr Tyr Phe Cys Ala
85 90 95

Arg Tyr Arg Tyr Asp Tyr Asp Gly Gly His Ala Met Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 66
<211> 363
<212> ADN
<213> Secuencia artificial

<220>

2017-53600 Sequence Listing

<223> Descripción de Secuencia Artificial: Polinucleótido sintético

<400> 66
gaggtgcagc tgcaggaaag cggccccagc ctggtcaagc ccagccagac cctgagcctg 60
acctgcagcg tgaccggcga cagcttcacc agcggctact ggaactggat ccggaagtgc 120
cccggcaacc ggctcgagta catgggctac atcagctaca acgccatcac ctaccacaac 180
cccagcctga agtcccggat cagcatcacc cgggacacca gcaagaacca ctactacctg 240
cagctgaaca gcgtgaccac cgaggacacc gccacctact tttgcgcccg gtacagatac 300
gactacgacg gcggccacgc catggactac tggggccagg gcaccctggt caccgtgtcc 360
tct 363

<210> 67

<211> 121

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia Artificial: Polipéptido sintético

<400> 67

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

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

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

Gly Tyr Ile Ser Tyr Asn Ala Ile Thr Tyr His Asn Pro Ser Leu Lys
50 55 60

Ser Arg Ile Thr Ile Asn Arg Asp Thr Ser Lys Asn Gln Tyr Ser Leu
65 70 75 80

Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala
85 90 95

Arg Tyr Lys Tyr Asp Tyr Asp Gly Gly His Ala Met Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 68

<211> 363

<212> ADN

<213> Secuencia artificial

2017-53600 Sequence Listing

<220>

<223> Descripción de Secuencia Artificial: Polinucleótido sintético

<400> 68

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cagggtgcagc tgcaggaaag cggccctggc ctggtcaagc ccagccagac cctgagcctg      60
acctgtgccg tgtacggcgg cagcttcagc agcggctact ggaactggat ccggaagcac      120
cccggcaagg gcctggaata catcggctac atcagctaca acgccatcac ctaccacaac      180
cccagcctga agtcccggat caccatcaac cgggacacca gcaagaacca gtactccctg      240
cagctgaaca gcgtgacccc cgaggacacc gccgtgtact actgcgcccg gtacaaatac      300
gactacgacg gcggccacgc catggactac tggggccagg gcaccctggg caccgtgtcc      360
tct                                                                 363
```

<210> 69

<211> 330

<212> PRT

<213> Homo sapiens

<400> 69

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

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

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

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

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

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

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

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

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

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

145 150 155 160

2017-53600 Sequence Listing

aaatcttgtg acaaaaactca cacatgcccc ccgtgcccag cacctgaact cctgggggga 360
ccgtcagtct tcctcttccc cccaaaaccc aaggacaccc tcatgatctc ccggaccct 420
gaggtcacat gcgtgggtgt ggacgtgagc cacgaagacc ctgaggtcaa gttcaactgg 480
tacgtggacg gcgtggaggt gcataatgcc aagacaaaagc cgcgggagga gcagtacaac 540
agcacgtacc gtgtgggtcag cgtcctcacc gtcctgcacc aggactggct gaatggcaag 600
gagtacaagt gcaaggcttc caacaaagcc ctcccagccc ccatcgagaa aaccatctcc 660
aaagccaaaag ggcagccccg agaaccacag gtctacaccc tgcccccatc ccgggaggag 720
atgaccaaga accagggtcag cctgacctgc ctgggtcaaag gcttctatcc cagcgacatc 780
gccgtggagt gggagagcaa tgggcagccg gagaacaact acaagaccac gcctcccggtg 840
ctggactccg acggctcctt cttcctctat agcaagctca ccgtggacaa gagcaggtgg 900
cagcagggga acgtcttctc atgctccgtg atgcatgagg ctctgcacaa ccactacacg 960
cagaagagct taagcctgtc tccgggtaaa 990

<210> 71

<211> 451

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia Artificial: Polipéptido sintético

<400> 71

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

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

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

Gly Tyr Ile Ser Tyr Asn Gly Ile Thr Tyr His Asn Pro Ser Leu Lys
50 55 60

Ser Arg Ile Thr Ile Asn Arg Asp Thr Ser Lys Asn Gln Tyr Ser Leu
65 70 75 80

Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala
85 90 95

Arg Tyr Lys Tyr Asp Tyr Asp Gly Gly His Ala Met Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser

Val Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala
130 135 140

Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val
145 150 155 160

Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala
165 170 175

Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val
180 185 190

Pro Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His
195 200 205

Lys Pro Ser Asn Thr Lys Val Asp Lys Arg Val Glu Pro Lys Ser Cys
210 215 220

Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly
225 230 235 240

Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met
245 250 255

Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His
260 265 270

Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val
275 280 285

His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr
290 295 300

Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly
305 310 315 320

Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile
325 330 335

Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val
340 345 350

Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser
355 360 365

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Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu
370 375 380

Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro
385 390 395 400

Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val
405 410 415

Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met
420 425 430

His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser
435 440 445

Pro Gly Lys
450

<210> 72

<211> 1353

<212> ADN

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia Artificial: Polinucleótido sintético

<400> 72

caggtgcagc tgcaggaaag cggccctggc ctggtcaagc ccagccagac cctgagcctg	60
acctgtgccg tgtacggcgg cagcttcagc agcggctact ggaactggat ccggaagcac	120
cccggcaagg gcctggaata catcggctac atcagctaca acggcatcac ctaccacaac	180
cccagcctga agtccccgat caccatcaac cgggacacca gcaagaacca gtactccctg	240
cagctgaaca gcgtgacccc cgaggacacc gccgtgtact actgcgcccc gtacaaatac	300
gactacgacg gcggccacgc catggactac tggggccagg gcaccctggt caccgtgtcc	360
tctgcgtcga ccaagggccc atccgtcttc cccctggcac cctcctcaa gagcacctct	420
gggggacacg cggccctggg ctgcctggtc aaggactact tccccgaacc ggtgacggtg	480
tcctggaact caggcgctct gaccagcggc gtgcacacct tcccggctgt cctacagtcc	540
tcaggactct actccctcag cagcgtggtg accgtgccct ccagcagctt gggcaccag	600
acctacatct gcaacgtgaa tcacaagccc agcaacacca aggtggacaa gagagttgag	660
cccaaattct gtgacaaaac tcacacatgc ccaccgtgcc cagcacctga actcctgggg	720
ggaccgtcag tcttctctt cccccaaaa cccaaggaca ccctcatgat ctcccggacc	780
cctgaggtca catgcgtggt ggtggacgtg agccacgaag accctgaggt caagttcaac	840
tggtacgtgg acggcgtgga ggtgcataat gccaagacaa agccgcggga ggagcagtac	900

2017-53600 Sequence Listing

aacagcacgt accgtgtggt cagcgtcctc accgtcctgc accaggactg gctgaatggc 960
aaggagtaca agtgcaaggt ctccaacaaa gccctcccag ccccatcga gaaaaccatc 1020
tccaaagcca aagggcagcc ccgagaacca caggtctaca ccctgcccc atcccgggag 1080
gagatgacca agaaccaggt cagcctgacc tgcctgggtca aaggcttcta tcccagcgac 1140
atcgccgtgg agtgggagag caatgggcag ccggagaaca actacaagac cacgcctccc 1200
gtgctggact ccgacggctc cttcttctc tatagcaagc tcaccgtgga caagagcagg 1260
tggcagcagg ggaacgtctt ctcatgctcc gtgatgcatg aggctctgca caaccactac 1320
acgcagaaga gcttaagcct gtctccgggt aaa 1353

<210> 73

<211> 448

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia Artificial: Polipéptido sintético

<400> 73

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

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

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

Gly Tyr Ile Ser Tyr Asn Gly Ile Thr Tyr His Asn Pro Ser Leu Lys
50 55 60

Ser Arg Ile Thr Ile Asn Arg Asp Thr Ser Lys Asn Gln Tyr Ser Leu
65 70 75 80

Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala
85 90 95

Arg Tyr Lys Tyr Asp Tyr Asp Gly Gly His Ala Met Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser
115 120 125

Val Phe Pro Leu Ala Pro Cys Ser Arg Ser Thr Ser Glu Ser Thr Ala
130 135 140

Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val

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145		150		155		160
Ser	Trp	Asn	Ser	Gly 165	Ala	Leu
Thr	Ser	Gly 170	Val	His	Thr	Phe
Pro	Ala					
Val	Leu	Gln	Ser	Ser	Gly	Leu
Tyr	Ser	185	Leu	Ser	Ser	Val
Val	190	Thr	Val			
Pro	Ser	Ser	195	Leu	Gly	Thr
Lys	200	Thr	Tyr	Thr	Cys	Asn
Val	205	Asp	His			
Lys	Pro	Ser	Asn	Thr	Lys	Val
210	215	Asp	Lys	Arg	Val	Glu
220						
Pro	Pro	Cys	Pro	Pro	Cys	Pro
225	230	Ala	Pro	Glu	Phe	Leu
Gly	Gly	Pro	Ser			
Val	Phe	Leu	Phe	Pro	Pro	Lys
Pro	245	Lys	Pro	Lys	Asp	Thr
Leu	250	Met	Ile	Ser	Arg	
Thr	Pro	Glu	Val	Thr	Cys	Val
260	265	Asp	Val	Ser	Gln	Glu
270						
Glu	Val	Gln	Phe	Asn	Trp	Tyr
275	280	Asp	Gly	Val	Glu	Val
285		His	Asn	Ala		
Lys	Thr	Lys	Pro	Arg	Glu	Glu
290	295	Gln	Phe	Asn	Ser	Thr
300		Tyr	Arg	Val	Val	
Ser	Val	Leu	Thr	Val	Leu	His
305	310	Gln	Asp	Trp	Leu	Asn
Gly	Lys	Glu	Tyr			
Lys	Cys	Lys	Val	Ser	Asn	Lys
325	330	Ile	Glu	Lys	Thr	
335						
Ile	Ser	Lys	Ala	Lys	Gly	Gln
340	345	Glu	Pro	Gln	Val	Tyr
350		Thr	Leu			
Pro	Pro	Ser	Gln	Glu	Glu	Met
355	360	Thr	Lys	Asn	Gln	Val
365		Ser	Leu	Thr	Cys	
Leu	Val	Lys	Gly	Phe	Tyr	Pro
370	375	Ser	Asp	Ile	Ala	Val
380		Glu	Trp	Glu	Ser	
Asn	Gly	Gln	Pro	Glu	Asn	Asn
385	390	Tyr	Lys	Thr	Thr	Pro
395		Pro	Pro	Val	Leu	Asp
400						

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Ser Asp Gly Ser Phe Phe Leu Tyr Ser Arg Leu Thr Val Asp Lys Ser
405 410 415

Arg Trp Gln Glu Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala
420 425 430

Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Leu Gly Lys
435 440 445

<210> 74

<211> 1344

<212> ADN

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia Artificial: Polinucleótido sintético

<400> 74

caggtgcagc tgcaggaaag cggccctggc ctggtcaagc ccagccagac cctgagcctg	60
acctgtgccg tgtacggcgg cagcttcagc agcggctact ggaactggat ccggaagcac	120
cccggcaagg gcctggaata catcggctac atcagctaca acggcatcac ctaccacaac	180
cccagcctga agtccccgat caccatcaac cgggacacca gcaagaacca gtactccctg	240
cagctgaaca gcgtgacccc cgaggacacc gccgtgtact actgcgcccc gtacaaatac	300
gactacgacg gcggccacgc catggactac tggggccagg gcaccctggt caccgtgtcc	360
tctgcgtcga ccaagggccc cagcgtgttc cccctggccc cttgcagcag aagcaccagc	420
gagagcacag ccgccctggg ctgcctggtg aaggactact tccccgagcc cgtgaccgtg	480
tcctggaaca gcggcgctct gaccagcggc gtgcatacct tccccgccgt gctccagagc	540
agcggactgt actccctgag cagcgtggtg accgtgcctt ccagcagcct gggcaccaag	600
acctacacct gcaacgtgga ccacaagccc agcaacacca aggtggacaa gagagtggag	660
agcaagtacg gccctccctg ccccccttgc cctgcccccg agttcctggg cggacctagc	720
gtgttcctgt tccccccaa gcccaaggac accctgatga tcagcagaac ccccgagggtg	780
acctgcgtgg tgggtggacgt gtcccaggag gaccccgagg tccagtttaa ttggtacgtg	840
gacggcgtgg aagtgcataa cgccaagacc aagcccagag aggagcagtt caacagcacc	900
tacagagtgg tgtccgtgct gaccgtgctg caccaggact ggctgaacgg caaggaatac	960
aagtgcaagg tctccaacaa gggcctgcct agcagcatcg agaagaccat cagcaaggcc	1020
aagggccagc cacgggagcc ccaggtctac accctgccac ctagccaaga ggagatgacc	1080
aagaaccagg tgtccctgac ctgtctggtg aaaggcttct atcccagcga tatcgccgtg	1140
gagtgggaga gcaacggcca gcccgagaac aactacaaga ccaccccccc tgtgctggac	1200
agcgacggca gcttcttcct gtactccaga ctgaccgtgg acaagtccag atggcaggag	1260

2017-53600 Sequence Listing

ggcaacgtct tcagctgctc cgtgatgcac gaggccctgc acaaccacta cacccagaag 1320

tccctgagcc tgagcctggg caag 1344

<210> 75

<211> 451

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia Artificial: Polipéptido sintético

<400> 75

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

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

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

Gly Tyr Ile Ser Tyr Asn Gly Ile Thr Tyr His Asn Pro Ser Leu Lys
50 55 60

Ser Arg Ile Thr Ile Asn Arg Asp Thr Ser Lys Asn Gln Tyr Ser Leu
65 70 75 80

Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala
85 90 95

Arg Tyr Lys Tyr Asp Tyr Asp Gly Gly His Ala Met Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser
115 120 125

Val Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala
130 135 140

Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val
145 150 155 160

Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala
165 170 175

Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val
180 185 190

Pro Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His

Lys Pro Ser Asn Thr Lys Val Asp Lys Arg Val Glu Pro Lys Ser Cys
210 215 220

Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Phe Glu Gly
225 230 235 240

Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met
245 250 255

Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His
260 265 270

Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val
275 280 285

His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr
290 295 300

Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly
305 310 315 320

Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Ser Ile
325 330 335

Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val
340 345 350

Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser
355 360 365

Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu
370 375 380

Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro
385 390 395 400

Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val
405 410 415

Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met
420 425 430

His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser
435 440 445

2017-53600 Sequence Listing

Pro Gly Lys
450

<210> 76
<211> 1353
<212> ADN
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia Artificial: Polinucleótido sintético

<400> 76
caggtgcagc tgcaggaaag cggccctggc ctggtcaagc ccagccagac cctgagcctg 60
acctgtgccg tgtacggcgg cagcttcagc agcggctact ggaactggat ccggaagcac 120
cccggcaagg gcctggaata catcggctac atcagctaca acggcatcac ctaccacaac 180
cccagcctga agtcccggat caccatcaac cgggacacca gcaagaacca gtactccctg 240
cagctgaaca gcgtgacccc cgaggacacc gccgtgtact actgcgcccc gtacaaatac 300
gactacgacg gcggccacgc catggactac tggggccagg gcaccctggt caccgtgtcc 360
tctgcgtcga ccaagggccc atccgtcttc cccctggcac cctcctcaa gagcacctct 420
gggggacacg cggccctggg ctgcctggtc aaggactact tccccgaacc ggtgacggtg 480
tcctggaact caggcgctct gaccagcggc gtgcacacct tcccggctgt cctacagtcc 540
tcaggactct actccctcag cagcgtggtg accgtgccct ccagcagctt gggcacccag 600
acctacatct gcaacgtgaa tcacaagccc agcaacacca aggtggacaa gagagttgag 660
cccaaattctt gtgacaaaac tcacacatgc ccaccgtgcc cagcacctga attcgagggg 720
ggaccgtcag tcttcctctt cccccaaaa cccaaggaca ccctcatgat ctcccggacc 780
cctgagggtca catgcgtggt ggtggacgtg agccacgaag accctgaggt caagttcaac 840
tggtacgtgg acggcgtgga ggtgcataat gccaagacaa agccgcggga ggagcagtac 900
aacagcacgt accgtgtggt cagcgtcctc accgtcctgc accaggactg gctgaatggc 960
aaggagtaca agtgcaaggt ctccaacaaa gccctcccag cctccatcga gaaaaccatc 1020
tccaaagcca aagggcagcc ccgagaacca caggtctaca ccctgcccc atcccgggag 1080
gagatgacca agaaccaggt cagcctgacc tgcctgggtca aaggcttcta tcccagcgac 1140
atgccgtgg agtgggagag caatgggcag ccggagaaca actacaagac cacgcctccc 1200
gtgctggact ccgacggctc cttcttcctc tatagcaagc tcaccgtgga caagagcagg 1260
tggcagcagg ggaacgtctt ctcatgctcc gtgatgcatg aggctctgca caaccactac 1320
acgcagaaga gcctctccct gtctccgggt aaa 1353

<210> 77
<211> 448
<212> PRT

2017-53600 Sequence Listing

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia Artificial: Polipéptido sintético

<400> 77

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

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

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

Gly Tyr Ile Ser Tyr Asn Ala Ile Thr Tyr His Asn Pro Ser Leu Lys
50 55 60

Ser Arg Ile Thr Ile Asn Arg Asp Thr Ser Lys Asn Gln Tyr Ser Leu
65 70 75 80

Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala
85 90 95

Arg Tyr Lys Tyr Asp Tyr Asp Gly Gly His Ala Met Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser
115 120 125

Val Phe Pro Leu Ala Pro Cys Ser Arg Ser Thr Ser Glu Ser Thr Ala
130 135 140

Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val
145 150 155 160

Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala
165 170 175

Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val
180 185 190

Pro Ser Ser Ser Leu Gly Thr Lys Thr Tyr Thr Cys Asn Val Asp His
195 200 205

Lys Pro Ser Asn Thr Lys Val Asp Lys Arg Val Glu Ser Lys Tyr Gly
210 215 220

Pro Pro Cys Pro Pro Cys Pro Ala Pro Glu Phe Leu Gly Gly Pro Ser

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225 230 235 240

Val Phe Leu Phe Pro₂₄₅ Pro Lys Pro Lys Asp₂₅₀ Thr Leu Met Ile Ser Arg₂₅₅

Thr Pro Glu Val₂₆₀ Thr Cys Val Val₂₆₅ Asp Val Ser Gln Glu Asp Pro₂₇₀

Glu Val Gln Phe Asn Trp Tyr Val₂₈₀ Asp Gly Val Glu Val₂₈₅ His Asn Ala

Lys Thr₂₉₀ Lys Pro Arg Glu Glu₂₉₅ Gln Phe Asn Ser Thr₃₀₀ Tyr Arg Val Val

Ser Val₃₀₅ Leu Thr Val₃₁₀ Leu His Gln Asp Trp Leu₃₁₅ Asn Gly Lys Glu Tyr₃₂₀

Lys Cys Lys Val₃₂₅ Ser Asn Lys Gly Leu Pro₃₃₀ Ser Ser Ile Glu Lys₃₃₅ Thr

Ile Ser Lys Ala₃₄₀ Lys Gly Gln Pro Arg₃₄₅ Glu Pro Gln Val Tyr₃₅₀ Thr Leu

Pro Pro Ser₃₅₅ Gln Glu Glu Met Thr₃₆₀ Lys Asn Gln Val Ser₃₆₅ Leu Thr Cys

Leu Val₃₇₀ Lys Gly Phe Tyr Pro₃₇₅ Ser Asp Ile Ala Val₃₈₀ Glu Trp Glu Ser

Asn Gly Gln Pro Glu Asn₃₉₀ Asn Tyr Lys Thr Thr₃₉₅ Pro Pro Val Leu Asp₄₀₀

Ser Asp Gly Ser₄₀₅ Phe Phe Leu Tyr Ser Arg₄₁₀ Leu Thr Val Asp Lys₄₁₅ Ser

Arg Trp Gln Glu₄₂₀ Gly Asn Val Phe Ser₄₂₅ Cys Ser Val Met His₄₃₀ Glu Ala

Leu His Asn₄₃₅ His Tyr Thr Gln Lys₄₄₀ Ser Leu Ser Leu Ser₄₄₅ Leu Gly Lys

<210> 78

<211> 1344

<212> ADN

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia Artificial: Polinucleótido sintético

2021-2022 Sequence Listing							
<400> 78	caggtgcagc	tgcaggaaag	cggccctggc	ctggtcaagc	ccagccagac	cctgagcctg	60
	acctgtgccg	tgtacggcgg	cagcttcagc	agcggctact	ggaactggat	ccggaagcac	120
	cccggcaagg	gcctggaata	catcggctac	atcagctaca	acgccatcac	ctaccacaac	180
	cccagcctga	agtcccggat	caccatcaac	cgggacacca	gcaagaacca	gtactccctg	240
	cagctgaaca	gcgtgacccc	cgaggacacc	gccgtgtact	actgcgcccg	gtacaaatac	300
	gactacgacg	gcggccacgc	catggactac	tggggccagg	gcaccctggg	caccgtgtcc	360
	tctgcgtcga	ccaagggccc	cagcgtgttc	cccctggccc	cttgacgacg	aagcaccagc	420
	gagagcacag	ccgccctggg	ctgcctggtg	aaggactact	tccccgagcc	cgtgaccgtg	480
	tcctggaaca	gcggcgctct	gaccagcggc	gtgcatacct	tccccgccgt	gctccagagc	540
	agcggactgt	actccctgag	cagcgtgggtg	accgtgcctt	ccagcagcct	gggcaccaag	600
	acctacacct	gcaacgtgga	ccacaagccc	agcaacacca	aggtggacaa	gagagtggag	660
	agcaagtacg	gccctccctg	cccccttgcc	cctgcccccg	agttcctggg	cggacctagc	720
	gtgttcctgt	tcccccccaa	gcccgaaggac	accctgatga	tcagcagaac	ccccgaggtg	780
	acctgcgtgg	tggtggacgt	gtcccaggag	gaccccgagg	tccagtttaa	ttggtacgtg	840
	gacggcgtgg	aagtgcataa	cgccaagacc	aagcccagag	aggagcagtt	caacagcacc	900
	tacagagtgg	tgtccgtgct	gaccgtgctg	caccaggact	ggctgaacgg	caaggaatac	960
	aagtgcaagg	tctccaacaa	gggcctgcct	agcagcatcg	agaagaccat	cagcaaggcc	1020
	aagggccagc	cacgggagcc	ccagggtctac	accctgccac	ctagccaaga	ggagatgacc	1080
	aagaaccagg	tgtccctgac	ctgtctggtg	aaaggcttct	atcccagcga	tatcgccgtg	1140
	gagtgggaga	gcaacggcca	gcccgagaac	aactacaaga	ccaccccccc	tgtgctggac	1200
	agcgacggca	gcttcttcct	gtactccaga	ctgaccgtgg	acaagtccag	atggcaggag	1260
	ggcaacgtct	tcagctgctc	cgtgatgcac	gaggccctgc	acaaccacta	caccagaag	1320
	tccctgagcc	tgagcctggg	caag				1344

2017-53600 Sequence Listing

Tyr Trp Asn Trp Ile Arg Lys His Pro Gly Lys Gly Leu Glu Tyr Ile
 35 40 45
 Gly Tyr Ile Ser Tyr Asn Ala Ile Thr Tyr His Asn Pro Ser Leu Lys
 50 55 60
 Ser Arg Ile Thr Ile Asn Arg Asp Thr Ser Lys Asn Gln Tyr Ser Leu
 65 70 75 80
 Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala
 85 90 95
 Arg Tyr Lys Tyr Asp Tyr Asp Gly Gly His Ala Met Asp Tyr Trp Gly
 100 105 110
 Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser
 115 120 125
 Val Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala
 130 135 140
 Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val
 145 150 155 160
 Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala
 165 170 175
 Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val
 180 185 190
 Pro Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His
 195 200 205
 Lys Pro Ser Asn Thr Lys Val Asp Lys Arg Val Glu Pro Lys Ser Cys
 210 215 220
 Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Phe Glu Gly
 225 230 235 240
 Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met
 245 250 255
 Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His
 260 265 270
 Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val

275 2017-53600 Sequence Listing 285

His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr
 290 295 300

Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly
 305 310 315 320

Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Ser Ile
 325 330 335

Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val
 340 345 350

Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser
 355 360 365

Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu
 370 375 380

Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro
 385 390 395 400

Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val
 405 410 415

Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met
 420 425 430

His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser
 435 440 445

Pro Gly Lys
 450

<210> 80
 <211> 1353
 <212> ADN
 <213> Secuencia artificial

<220>
 <223> Descripción de Secuencia Artificial: Polinucleótido sintético

<400> 80
 caggtgcagc tgcaggaaag cggccctggc ctggtcaagc ccagccagac cctgagcctg 60
 acctgtgccg tgtacggcgg cagcttcagc agcggctact ggaactggat ccggaagcac 120
 cccggcaagg gcctggaata catcggctac atcagctaca acgcatcac ctaccacaac 180
 cccagcctga agtccccgat caccatcaac cgggacacca gcaagaacca gtactccctg 240

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cagctgaaca gcgtgacccc cgaggacacc gccgtgtact actgcgcccg gtacaaatac	300
gactacgacg gcggccacgc catggactac tggggccagg gcaccctggt caccgtgtcc	360
tctgcgtcga ccaagggccc atccgtcttc cccctggcac cctcctccaa gagcacctct	420
gggggcacag cggccctggg ctgcctggtc aaggactact tccccgaacc ggtgacggtg	480
tcctggaact caggcgctct gaccagcggc gtgcacacct tcccggctgt cctacagtcc	540
tcaggactct actccctcag cagcgtggtg accgtgccct ccagcagctt gggcacccag	600
acctacatct gcaacgtgaa tcacaagccc agcaacacca aggtggacaa gagagttgag	660
cccaaattctt gtgacaaaac tcacacatgc ccaccgtgcc cagcacctga attcgagggg	720
ggaccgtcag tcttcctctt cccccaaaa cccaaggaca ccctcatgat ctcccggacc	780
cctgaggtca catgcgtggt ggtggacgtg agccacgaag accctgaggt caagttcaac	840
tggtacgtgg acggcgtgga ggtgcataat gccaagacaa agccgcggga ggagcagtac	900
aacagcacgt accgtgtggt cagcgtcctc accgtcctgc accaggactg gctgaatggc	960
aaggagtaca agtgcaaggt ctccaacaaa gccctcccag cctccatcga gaaaaccatc	1020
tccaaagcca aagggcagcc ccgagaacca caggctctaca ccctgcccc atcccgggag	1080
gagatgacca agaaccaggt cagcctgacc tgcctgggtca aaggcttcta tcccagcgac	1140
atcgccgtgg agtgggagag caatgggcag ccggagaaca actacaagac cacgcctccc	1200
gtgctggact ccgacggctc cttcttcctc tatagcaagc tcaccgtgga caagagcagg	1260
tggcagcagg ggaacgtctt ctcattgctcc gtgatgcatg aggctctgca caaccactac	1320
acgcagaaga gcctctccct gtctccgggt aaa	1353

<210> 81

<211> 445

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia Artificial: Polipéptido sintético

<400> 81

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

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

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

Gly Tyr	Ile Ser	Tyr Asn	Gly Ile	Thr Tyr	His Asn	Pro Ser	Leu Lys
50			55		60		

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Ser Arg Ile Thr Ile Asn Arg Asp Thr Ser Lys Asn Gln Tyr Ser Leu
65 70 75 80

Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala
85 90 95

Arg Tyr Lys Tyr Asp Tyr Asp Gly Gly His Ala Met Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser Ala Lys Thr Thr Pro Pro Ser
115 120 125

Val Tyr Pro Leu Ala Pro Gly Ser Ala Ala Gln Thr Asn Ser Met Val
130 135 140

Thr Leu Gly Cys Leu Val Lys Gly Tyr Phe Pro Glu Pro Val Thr Val
145 150 155 160

Thr Trp Asn Ser Gly Ser Leu Ser Ser Gly Val His Thr Phe Pro Ala
165 170 175

Val Leu Gln Ser Asp Leu Tyr Thr Leu Ser Ser Ser Val Thr Val Pro
180 185 190

Ser Ser Thr Trp Pro Ser Glu Thr Val Thr Cys Asn Val Ala His Pro
195 200 205

Ala Ser Ser Thr Lys Val Asp Lys Lys Ile Val Pro Arg Asp Cys Gly
210 215 220

Cys Lys Pro Cys Ile Cys Thr Val Pro Glu Val Ser Ser Val Phe Ile
225 230 235 240

Phe Pro Pro Lys Pro Lys Asp Val Leu Thr Ile Thr Leu Thr Pro Lys
245 250 255

Val Thr Cys Val Val Val Asp Ile Ser Lys Asp Asp Pro Glu Val Gln
260 265 270

Phe Ser Trp Phe Val Asp Asp Val Glu Val His Thr Ala Gln Thr Gln
275 280 285

Pro Arg Glu Glu Gln Phe Asn Ser Thr Phe Arg Ser Val Ser Glu Leu
290 295 300

Pro Ile Met His Gln Asp Trp Leu Asn Gly Lys Glu Phe Lys Cys Arg
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305 310 315 320

Val Asn Ser Ala Ala Phe Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys
325 330 335

Thr Lys Gly Arg Pro Lys Ala Pro Gln Val Tyr Thr Ile Pro Pro Pro
340 345 350

Lys Glu Gln Met Ala Lys Asp Lys Val Ser Leu Thr Cys Met Ile Thr
355 360 365

Asp Phe Phe Pro Glu Asp Ile Thr Val Glu Trp Gln Trp Asn Gly Gln
370 375 380

Pro Ala Glu Asn Tyr Lys Asn Thr Gln Pro Ile Met Asp Thr Asp Gly
385 390 395 400

Ser Tyr Phe Val Tyr Ser Lys Leu Asn Val Gln Lys Ser Asn Trp Glu
405 410 415

Ala Gly Asn Thr Phe Thr Cys Ser Val Leu His Glu Gly Leu His Asn
420 425 430

His His Thr Glu Lys Ser Leu Ser His Ser Pro Gly Lys
435 440 445

<210> 82

<211> 1335

<212> ADN

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia Artificial: Polinucleótido sintético

<400> 82

cagggtgcagc tgcaggaaaag cggccctggc ctggtcaagc ccagccagac cctgagcctg 60

acctgtgccg tgtacggcgg cagcttcagc agcggctact ggaactggat ccggaagcac 120

cccggcaagg gcctggaata catcggctac atcagctaca acggcatcac ctaccacaac 180

cccagcctga agtccccgat caccatcaac cgggacacca gcaagaacca gtactccctg 240

cagctgaaca gcgtgacccc cgaggacacc gccgtgtact actgcgcccg gtacaaatac 300

gactacgacg gcggccacgc catggactac tggggccagg gcaccctggc caccgtgtcc 360

tctgcgaaga cgacaccccc atctgtctat cacttggccc ctggatctgc tgcccaaact 420

aactccatgg tgaccctggg atgcctgggtc aagggtatt tccctgagcc agtgacagtg 480

acctggaact ctggatccct gtccagcggc gtgcacacct tcccagctgt cctgcagtct 540

gacctctaca ctctgagcag ctcaagtact gtcccctcca gcacctggcc cagcgagacc 600

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gtcacctgca acgttgccca cccggccagc agcaccaagg tggacaagaa aattgtgccc	660
agggattgtg gttgtaagcc ttgcatatgt accgtcccag aagtatcatc tgtcttcatc	720
ttccccccaa agcccaagga tgtgctcacc attactctga ctccaaaggt cacgtgtggt	780
gtggtagaca tcagcaagga tgatcccag gtccagttca gctggtttgt agatgatgtg	840
gaggtgcaca cagctcagac gcaaccccgg gaggagcagt tcaacagcac tttccgctca	900
gtcagtgaac ttcccatcat gcaccaggac tggctcaatg gcaaggagtt caaatgcagg	960
gtcaacagtg cagctttccc tgccccatc gagaaaacca tctccaaaac caaaggcaga	1020
ccgaaggctc cacaggtgta taccattcca cctcccaagg agcagatggc caaggataaa	1080
gtcagtctga cctgcatgat aacagacttc ttccctgaag acattactgt ggagtggcag	1140
tggaatgggc agccagcggg gaactacaag aacactcagc ccatcatgga cacagatggc	1200
tcttacttcg tctacagaa gctcaatgtg cagaagagca actggggaggc aggaaatact	1260
ttcacctgct ctgtgttaca tgagggcctg cacaaccacc atactgagaa gagcctctcc	1320
cactctcctg gtaaa	1335

<210> 83

<211> 214

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia Artificial: Polipéptido sintético

<400> 83

Asp	Ile	Gln	Met	Thr	Gln	Ser	Pro	Ser	Ser	Leu	Ser	Ala	Ser	Val	Gly
1				5					10					15	

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

Leu	Asn	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Lys	Ala	Pro	Lys	Leu	Leu	Ile
		35					40					45			

Tyr	Tyr	Thr	Ser	Lys	Leu	His	Ser	Gly	Val	Pro	Ser	Arg	Phe	Ser	Gly
	50					55					60				

Ser	Gly	Ser	Gly	Thr	Asp	Tyr	Thr	Leu	Thr	Ile	Ser	Ser	Leu	Gln	Pro
65					70					75					80

Glu	Asp	Phe	Ala	Thr	Tyr	Tyr	Cys	Gln	Gln	Gly	Ser	Ala	Leu	Pro	Trp
				85					90					95	

Thr	Phe	Gly	Gln	Gly	Thr	Lys	Val	Glu	Ile	Lys	Arg	Ala	Asp	Ala	Ala
			100					105					110		

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Pro Thr Val Ser Ile Phe Pro Pro Ser Ser Glu Gln Leu Thr Ser Gly
115 120 125

Gly Ala Ser Val Val Cys Phe Leu Asn Asn Phe Tyr Pro Lys Asp Ile
130 135 140

Asn Val Lys Trp Lys Ile Asp Gly Ser Glu Arg Gln Asn Gly Val Leu
145 150 155 160

Asn Ser Trp Thr Asp Gln Asp Ser Lys Asp Ser Thr Tyr Ser Met Ser
165 170 175

Ser Thr Leu Thr Leu Thr Lys Asp Glu Tyr Glu Arg His Asn Ser Tyr
180 185 190

Thr Cys Glu Ala Thr His Lys Thr Ser Thr Ser Pro Ile Val Lys Ser
195 200 205

Phe Asn Arg Asn Glu Cys
210

<210> 84
<211> 642
<212> ADN
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia Artificial: Polinucleótido sintético

<400> 84
gacatccaga tgacccagag ccccagcagc ctgagcgcca gcgtgggcca cagagtgacc 60
atcacctgtc gggccagcca ggacatcagc aactaccta actggtatca gcagaagccc 120
ggcaaggccc ccaagctgct gatctactac accagcaagc tgcacagcgg cgtgcccagc 180
agattcagcg gcagcggctc cggcaccgac tacacccta ccatcagcag cctgcagccc 240
gaggacttcg ccacctacta ctgccagcag ggctccgccc tgccctggac ctttggccag 300
ggcaccaagg tggaaatcaa gcgggctgat gcggcgccaa ctgtatccat cttcccacca 360
tccagtgcgc agttaacatc tggaggtgcc tcagtcgtgt gcttcttgaa caacttctac 420
cccaaagaca tcaatgtcaa gtggaagatt gatggcagtg aacgacaaaa tggcgtcctg 480
aacagttgga ctgatcagga cagcaaagac agcacctaca gcatgagcag caccctcacg 540
ttgaccaagg acgagtatga acgacataac agctatacct gtgaggccac tcacaagaca 600
tcaacttcac ccattgtcaa gagcttcaac aggaatgagt gt 642

<210> 85

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<211> 117

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia Artificial: Polipéptido sintético

<400> 85

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

Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Phe Ser Leu Thr Gly Tyr
20 25 30

Asn Leu His Trp Val Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Met
35 40 45

Gly Arg Met Arg Tyr Asp Gly Asp Thr Tyr Tyr Asn Ser Val Leu Lys
50 55 60

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

Lys Met Asn Ser Leu Gln Thr Asp Asp Thr Ala Ile Tyr Tyr Cys Thr
85 90 95

Arg Asp Gly Arg Gly Asp Ser Phe Asp Tyr Trp Gly Gln Gly Val Met
100 105 110

Val Thr Val Ser Ser
115

<210> 86

<211> 441

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia Artificial: Polipéptido sintético

<400> 86

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

Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Phe Ser Leu Thr Gly Tyr
20 25 30

Asn Leu His Trp Val Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Met
35 40 45

Gly Arg Met Arg Tyr Asp Gly Asp Thr Tyr Tyr Asn Ser Val Leu Lys
50 55 60

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

Lys Met Asn Ser Leu Gln Thr Asp Asp Thr Ala Ile Tyr Tyr Cys Thr
85 90 95

Arg Asp Gly Arg Gly Asp Ser Phe Asp Tyr Trp Gly Gln Gly Val Met
100 105 110

Val Thr Val Ser Ser Ala Ser Thr Thr Pro Pro Ser Val Tyr Pro Leu
115 120 125

Ala Pro Gly Ser Ala Ala Gln Thr Asn Ser Met Val Thr Leu Gly Cys
130 135 140

Leu Val Lys Gly Tyr Phe Pro Glu Pro Val Thr Val Thr Trp Asn Ser
145 150 155 160

Gly Ser Leu Ser Ser Gly Val His Thr Phe Pro Ala Val Leu Gln Ser
165 170 175

Asp Leu Tyr Thr Leu Ser Ser Ser Val Thr Val Pro Ser Ser Thr Trp
180 185 190

Pro Ser Glu Thr Val Thr Cys Asn Val Ala His Pro Ala Ser Ser Thr
195 200 205

Lys Val Asp Lys Lys Ile Val Pro Arg Asp Cys Gly Cys Lys Pro Cys
210 215 220

Ile Cys Thr Val Pro Glu Val Ser Ser Val Phe Ile Phe Pro Pro Lys
225 230 235 240

Pro Lys Asp Val Leu Thr Ile Thr Leu Thr Pro Lys Val Thr Cys Val
245 250 255

Val Val Asp Ile Ser Lys Asp Asp Pro Glu Val Gln Phe Ser Trp Phe
260 265 270

Val Asp Asp Val Glu Val His Thr Ala Gln Thr Gln Pro Arg Glu Glu
275 280 285

Gln Phe Asn Ser Thr Phe Arg Ser Val Ser Glu Leu Pro Ile Met His
290 295 300

Gln Asp Trp Leu Asn Gly Lys Glu Phe Lys Cys Arg Val Asn Ser Ala

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305 310 315 320

Ala Phe Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Thr Lys Gly Arg
325 330 335

Pro Lys Ala Pro Gln Val Tyr Thr Ile Pro Pro Pro Lys Glu Gln Met
340 345 350

Ala Lys Asp Lys Val Ser Leu Thr Cys Met Ile Thr Asp Phe Phe Pro
355 360 365

Glu Asp Ile Thr Val Glu Trp Gln Trp Asn Gly Gln Pro Ala Glu Asn
370 375 380

Tyr Lys Asn Thr Gln Pro Ile Met Asp Thr Asp Gly Ser Tyr Phe Val
385 390 395 400

Tyr Ser Lys Leu Asn Val Gln Lys Ser Asn Trp Glu Ala Gly Asn Thr
405 410 415

Phe Thr Cys Ser Val Leu His Glu Gly Leu His Asn His His Thr Glu
420 425 430

Lys Ser Leu Ser His Ser Pro Gly Lys
435 440

<210> 87

<211> 1323

<212> ADN

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia Artificial: Polinucleótido sintético

<400> 87

cagggtgcagc tgaaggagtc aggacctggt ctggtgcagc cctcacagac cctgtccctc 60

acctgcactg tctctgggtt ctactaacc ggttacaatt tacactgggt tcgccagcct 120

ccaggaaagg gtctggagtg gatgggaaga atgaggtatg atggagacac atattataat 180

tcagttctca aatccccgact gagcatcagc agggacacct ccaagaacca agttttcttg 240

aaaatgaaca gtctgcaaac ggatgacaca gccatttact attgtaccag agacgggcgt 300

ggtgactcct ttgattactg gggccaagga gtcattgtca cagtctcctc cgcgtcgacg 360

acacccccat ctgtctatcc actggcccct ggatctgctg cccaaactaa ctccatgggtg 420

accctgggat gcctgggtcaa gggctatttc cctgagccag tgacagtgcac ctggaactct 480

ggatccctgt ccagcgggtg gcacaccttc ccagctgtcc tgcagtctga cctctacact 540

ctgagcagct cagtgcactgt cccctccagc acctggccca gcgagaccgt cacctgcaac 600

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gttgcccacc cggccagcag caccaaggtg gacaagaaaa ttgtgcccag ggattgtggt	660
tgtaagcctt gcatatgtac cgtcccagaa gtatcatctg tcttcatctt ccccccaaag	720
cccaaggatg tgctcaccat tactctgact cctaagggtca cgtgtgttgt ggtagacatc	780
agcaaggatg atcccgaggt ccagttcagc tggttttag atgatgtgga ggtgcacaca	840
gctcagacgc aaccccggga ggagcagttc aacagcactt tccgctcagt cagtgaactt	900
cccatcatgc accaggactg gctcaatggc aaggagttca aatgcagggt caacagtgc	960
gctttccctg ccccatcga gaaaaccatc tccaaaacca aaggcagacc gaaggctcca	1020
caggtgtata ccattccacc tcccaaggag cagatggcca aggataaagt cagtctgacc	1080
tgcatgataa cagacttctt ccctgaagac attactgtgg agtggcagtg gaatgggcag	1140
ccagcggaga actacaagaa cactcagccc atcatggaca cagatggctc ttacttcgtc	1200
tacagcaagc tcaatgtgca gaagagcaac tgggaggcag gaaatacttt cacctgctct	1260
gtgttacatg agggcctgca caaccaccat actgagaaga gcctctccca ctctcctggt	1320
aaa	1323

<210> 88

<211> 112

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia Artificial: Polipéptido sintético

<400> 88

Asp	Ile	Val	Met	Thr	Gln	Gly	Ala	Leu	Pro	Asn	Pro	Val	Pro	Ser	Gly
1				5					10					15	

Glu	Ser	Ala	Ser	Ile	Thr	Cys	Arg	Ser	Ser	Gln	Ser	Leu	Val	Tyr	Lys
			20					25					30		

Asp	Gly	Gln	Thr	Tyr	Leu	Asn	Trp	Phe	Leu	Gln	Arg	Pro	Gly	Gln	Ser
	35						40					45			

Pro	Gln	Leu	Leu	Thr	Tyr	Trp	Met	Ser	Thr	Arg	Ala	Ser	Gly	Val	Ser
	50					55					60				

Asp	Arg	Phe	Ser	Gly	Ser	Gly	Ser	Gly	Thr	Tyr	Phe	Thr	Leu	Lys	Ile
65					70					75					80

Ser	Arg	Val	Arg	Ala	Glu	Asp	Ala	Gly	Val	Tyr	Tyr	Cys	Gln	Gln	Val
			85						90					95	

Arg	Glu	Tyr	Pro	Phe	Thr	Phe	Gly	Ser	Gly	Thr	Lys	Leu	Glu	Ile	Lys
			100					105					110		

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<210> 89

<211> 219

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia Artificial: Polipéptido sintético

<400> 89

Asp Ile Val Met Thr Gln Gly Ala Leu Pro Asn Pro Val Pro Ser Gly
1 5 10 15

Glu Ser Ala Ser Ile Thr Cys Arg Ser Ser Gln Ser Leu Val Tyr Lys
20 25 30

Asp Gly Gln Thr Tyr Leu Asn Trp Phe Leu Gln Arg Pro Gly Gln Ser
35 40 45

Pro Gln Leu Leu Thr Tyr Trp Met Ser Thr Arg Ala Ser Gly Val Ser
50 55 60

Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Tyr Phe Thr Leu Lys Ile
65 70 75 80

Ser Arg Val Arg Ala Glu Asp Ala Gly Val Tyr Tyr Cys Gln Gln Val
85 90 95

Arg Glu Tyr Pro Phe Thr Phe Gly Ser Gly Thr Lys Leu Glu Ile Lys
100 105 110

Arg Ala Asp Ala Ala Pro Thr Val Ser Ile Phe Pro Pro Ser Ser Glu
115 120 125

Gln Leu Thr Ser Gly Gly Ala Ser Val Val Cys Phe Leu Asn Asn Phe
130 135 140

Tyr Pro Lys Asp Ile Asn Val Lys Trp Lys Ile Asp Gly Ser Glu Arg
145 150 155 160

Gln Asn Gly Val Leu Asn Ser Trp Thr Asp Gln Asp Ser Lys Asp Ser
165 170 175

Thr Tyr Ser Met Ser Ser Thr Leu Thr Leu Thr Lys Asp Glu Tyr Glu
180 185 190

Arg His Asn Ser Tyr Thr Cys Glu Ala Thr His Lys Thr Ser Thr Ser
195 200 205

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Pro Ile Val Lys Ser Phe Asn Arg Asn Glu Cys
210 215

<210> 90
<211> 657
<212> ADN
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia Artificial: Polinucleótido sintético

<400> 90
gatattgtga tgaccaggg tgactcccc aatcctgtcc cttctggaga gtcagcttcc 60
atcacctgca ggtctagtca gagtctggta tacaaagacg gccagacata cttgaattgg 120
tttctgcaga ggccaggaca gtctcctcag cttctgacct attggatgtc taccctgtga 180
tcaggagtct cagacagggt cagtggcagt gggtcaggaa catatttcac actgaaaatc 240
agtagagtga gggctgagga tgcgggtgtg tattactgtc agcaagttcg agagtatcct 300
ttcactttcg gtcaggggac gaagttggaa ataaaacggg ctgatgcggc gccaactgta 360
tccatcttcc caccatccag tgagcagtta acatctggag gtgcctcagt cgtgtgcttc 420
ttgaacaact tctaccccaa agacatcaat gtcaagtgga agattgatgg cagtgaacga 480
caaaatggcg tcctgaacag ttggactgat caggacagca aagacagcac ctacagcatg 540
agcagcacc tcacgttgac caaggacgag tatgaacgac ataacagcta tacctgtgag 600
gccactcaca agacatcaac ttcacccatt gtcaagagct tcaacaggaa tgagtgt 657

<210> 91
<211> 277
<212> PRT
<213> Homo sapiens

<400> 91
Met Cys Val Gly Ala Arg Arg Leu Gly Arg Gly Pro Cys Ala Ala Leu
1 5 10 15

Leu Leu Leu Gly Leu Gly Leu Ser Thr Val Thr Gly Leu His Cys Val
20 25 30

Gly Asp Thr Tyr Pro Ser Asn Asp Arg Cys Cys His Glu Cys Arg Pro
35 40 45

Gly Asn Gly Met Val Ser Arg Cys Ser Arg Ser Gln Asn Thr Val Cys
50 55 60

Arg Pro Cys Gly Pro Gly Phe Tyr Asn Asp Val Val Ser Ser Lys Pro
65 70 75 80

Cys Lys Pro Cys Thr Trp Cys Asn Leu Arg Ser Gly Ser Glu Arg Lys
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85

90

95

Gln Leu Cys Thr Ala Thr Gln Asp Thr Val Cys Arg Cys Arg Ala Gly
100 105 110

Thr Gln Pro Leu Asp Ser Tyr Lys Pro Gly Val Asp Cys Ala Pro Cys
115 120 125

Pro Pro Gly His Phe Ser Pro Gly Asp Asn Gln Ala Cys Lys Pro Trp
130 135 140

Thr Asn Cys Thr Leu Ala Gly Lys His Thr Leu Gln Pro Ala Ser Asn
145 150 155 160

Ser Ser Asp Ala Ile Cys Glu Asp Arg Asp Pro Pro Ala Thr Gln Pro
165 170 175

Gln Glu Thr Gln Gly Pro Pro Ala Arg Pro Ile Thr Val Gln Pro Thr
180 185 190

Glu Ala Trp Pro Arg Thr Ser Gln Gly Pro Ser Thr Arg Pro Val Glu
195 200 205

Val Pro Gly Gly Arg Ala Val Ala Ala Ile Leu Gly Leu Gly Leu Val
210 215 220

Leu Gly Leu Leu Gly Pro Leu Ala Ile Leu Leu Ala Leu Tyr Leu Leu
225 230 235 240

Arg Arg Asp Gln Arg Leu Pro Pro Asp Ala His Lys Pro Pro Gly Gly
245 250 255

Gly Ser Phe Arg Thr Pro Ile Gln Glu Glu Gln Ala Asp Ala His Ser
260 265 270

Thr Leu Ala Lys Ile
275

<210> 92
<211> 272
<212> PRT
<213> Mus musculus

<400> 92
Met Tyr Val Trp Val Gln Gln Pro Thr Ala Leu Leu Leu Leu Gly Leu
1 5 10 15

Thr Leu Gly Val Thr Ala Arg Arg Leu Asn Cys Val Lys His Thr Tyr
20 25 30

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Pro Ser Gly His Lys Cys Cys Arg Glu Cys Gln Pro Gly His Gly Met
35 40 45

Val Ser Arg Cys Asp His Thr Arg Asp Thr Leu Cys His Pro Cys Glu
50 55 60

Thr Gly Phe Tyr Asn Glu Ala Val Asn Tyr Asp Thr Cys Lys Gln Cys
65 70 75 80

Thr Gln Cys Asn His Arg Ser Gly Ser Glu Leu Lys Gln Asn Cys Thr
85 90 95

Pro Thr Gln Asp Thr Val Cys Arg Cys Arg Pro Gly Thr Gln Pro Arg
100 105 110

Gln Asp Ser Gly Tyr Lys Leu Gly Val Asp Cys Val Pro Cys Pro Pro
115 120 125

Gly His Phe Ser Pro Gly Asn Asn Gln Ala Cys Lys Pro Trp Thr Asn
130 135 140

Cys Thr Leu Ser Gly Lys Gln Thr Arg His Pro Ala Ser Asp Ser Leu
145 150 155 160

Asp Ala Val Cys Glu Asp Arg Ser Leu Leu Ala Thr Leu Leu Trp Glu
165 170 175

Thr Gln Arg Pro Thr Phe Arg Pro Thr Thr Val Gln Ser Thr Thr Val
180 185 190

Trp Pro Arg Thr Ser Glu Leu Pro Ser Pro Pro Thr Leu Val Thr Pro
195 200 205

Glu Gly Pro Ala Phe Ala Val Leu Leu Gly Leu Gly Leu Gly Leu Leu
210 215 220

Ala Pro Leu Thr Val Leu Leu Ala Leu Tyr Leu Leu Arg Lys Ala Trp
225 230 235 240

Arg Leu Pro Asn Thr Pro Lys Pro Cys Trp Gly Asn Ser Phe Arg Thr
245 250 255

Pro Ile Gln Glu Glu His Thr Asp Ala His Phe Thr Leu Ala Lys Ile
260 265 270

<210> 93

2017-53600 Sequence Listing

<211> 6

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia Artificial: Péptido sintético

<400> 93

Arg Tyr Asp Tyr Asp Gly
1 5

<210> 94

<211> 6

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia Artificial: Péptido sintético

<400> 94

Lys Tyr Asp Tyr Asp Ala
1 5

<210> 95

<211> 6

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia Artificial: Péptido sintético

<400> 95

Lys Tyr Asp Tyr Asp Gly
1 5

<210> 96

<211> 177

<212> PRT

<213> Homo sapiens

<400> 96

Met Cys Val Gly Ala Arg Arg Leu Gly Arg Gly Pro Cys Ala Ala Leu
1 5 10 15

Leu Leu Leu Gly Leu Gly Leu Ser Thr Val Thr Gly Leu His Cys Val
20 25 30

Gly Asp Thr Tyr Pro Ser Asn Asp Arg Cys Cys His Glu Cys Arg Pro
35 40 45

Gly Asn Gly Met Val Ser Arg Cys Ser Arg Ser Gln Asn Thr Val Cys
50 55 60

Arg Pro Cys Gly Pro Gly Phe Tyr Asn Asp Val Val Ser Ser Lys Pro
65 70 75 80

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Cys Lys Pro Cys Thr Trp Cys Asn Leu Arg Ser Gly Ser Glu Arg Lys
85 90 95

Gln Leu Cys Thr Ala Thr Gln Asp Thr Val Cys Arg Cys Arg Ala Gly
100 105 110

Thr Gln Pro Leu Asp Ser Tyr Lys Pro Gly Val Asp Cys Ala Pro Cys
115 120 125

Pro Pro Gly His Phe Ser Pro Gly Asp Asn Gln Ala Cys Lys Pro Trp
130 135 140

Thr Asn Cys Thr Leu Ala Gly Lys His Thr Leu Gln Pro Ala Ser Asn
145 150 155 160

Ser Ser Asp Ala Ile Cys Glu Asp Arg Asp Pro Pro Ala Thr Gln Pro
165 170 175

Gln

<210> 97

<211> 175

<212> PRT

<213> Mus musculus

<400> 97

Met Tyr Val Trp Val Gln Gln Pro Thr Ala Leu Leu Leu Leu Ala Leu
1 5 10 15

Thr Leu Gly Val Thr Ala Arg Arg Leu Asn Cys Val Lys His Thr Tyr
20 25 30

Pro Ser Gly His Lys Cys Cys Arg Glu Cys Gln Pro Gly His Gly Met
35 40 45

Val Ser Arg Cys Asp His Thr Arg Asp Thr Leu Cys His Pro Cys Glu
50 55 60

Thr Gly Phe Tyr Asn Glu Ala Val Asn Tyr Asp Thr Cys Lys Gln Cys
65 70 75 80

Thr Gln Cys Asn His Arg Ser Gly Ser Glu Leu Lys Gln Asn Cys Thr
85 90 95

Pro Thr Gln Asp Thr Val Cys Arg Cys Arg Pro Gly Thr Gln Pro Arg
100 105 110

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Gln Asp Ser Gly Tyr Lys Leu Gly Val Asp Cys Val Pro Cys Pro Pro
115 120 125

Gly His Phe Ser Pro Gly Asn Asn Gln Ala Cys Lys Pro Trp Thr Asn
130 135 140

Cys Thr Leu Ser Gly Lys Gln Thr Arg His Pro Ala Ser Asp Ser Leu
145 150 155 160

Asp Ala Val Cys Glu Asp Arg Ser Leu Leu Ala Thr Leu Leu Trp
165 170 175

<210> 98

<211> 6

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia Artificial: Etiqueta 6xHis sintética

<400> 98

His His His His His His
1 5