

PhoenixTemp45020.tmp.txt
SEQUENCE LISTING

<110> GENE SIGNAL INTERNATIONAL SA

<120> Anti-tumor drug, medicament, composition and use thereof

<130> BCT080062

<160> 37

<170> PatentIn version 3.3

<210> 1

<211> 1801

<212> DNA

<213> Homo sapiens

<400> 1

cttccccctc ccgcgcgccc gcccgccgcc tgccgcgccc gccgcgccc ccggagctct	60
gtagtatggc atcgaggaga atggagacca aacctgtgat aacctgtctc aaaaccctcc	120
tcatcatcta ctcttcgctc ttctggatca ctgggggtgat cctgctggct gttggagtct	180
ggggcaaact tactctgggc acctatatct cccttattgc cgagaactcc acaaatgctc	240
cctatgtgct catcggaact ggcaccacta ttgttgtctt tggcctgttt ggatgctttg	300
ctacatgtcg tggtagccca tggatgctga aactgtatgc catgtttctg tccctggtgt	360
tcctggctga gctcgtagct ggcatttcag ggtttgtgtt tcgtcatgag atcaaggaca	420
ccttcctgag gacttacacg gacgctatgc agacttaca tggcaatgat gagaggagcc	480
gggcagtgga ccatgtgcag cgagcctga gctgctgtgg tgtgcagaac tacaccaact	540
ggagcaccag cccctacttc ctggagcatg gcatcccccc cagctgctgc atgaacgaaa	600
ctgattgtaa tccccaggat ctacacaatc tgactgtggc cgccaccaa gttaaccaga	660
agggtttgta tgatctggta actagtttca tggagactaa catgggaatc atcgctggag	720
tggcgtttg aatcgcatc tcccagttaa ttggcatgct gctggcctgc tgtctgtccc	780
ggttcacac ggccaatcag tatgagatgg tgtaaggaga agtctttcaa gaatgacgga	840
ataagagacc tgttttaaaa aggaactgca gcaatctttg aaagacttcc aaagaatgtt	900
agagcacagt acataatata cttgccctgc tccctctccc ccttacccca caacgtgcaa	960
ctgacactcc caccagctct ctgctccacc tttcagccca cgtcacgtgt agtgtccatt	1020
ttgtgaagcc ctgttgtgcc acagagtgtg gccaggtccc cctgcagcta gtcctagtga	1080
acctacccc gaggcctgc atgggccagc ccctccatct gtacttggtc caactgcaac	1140
tcatcatcgg tgactggta tcacaccatc gctggcccct ttgggccctg catgtagtgt	1200
gggaggctcc tgtagctcc tcaactgtgt aaatgccaca cacctttaag tagataagca	1260
gacgatagtt atctgttctt ttgacttaat ctcatcttgg ttgattttcc ctctactaag	1320
gctttcctac cttcttcagg ctgcctaaga catgtaacga aacacttcaa taattgtcca	1380
tgaggagaaa aaaagcatgt gtcatgcatg aaggaaactg aacttgaggt ggcctccttg	1440
cttgttacat acctgggtat gtgtaggcag tttagtgcac ctttgccctc cggttgaaac	1500
ctgtataacc ctgttacaaa gctgtgttgt tgcttcttgt gaaggccatg atattttgtt	1560

PhoenixTemp45020.tmp.txt

tttccccaat taattgctat tgtgttattt tactacttct ctctgtattt tttcttgcatt 1620
 tgacattata gacattgagg acctcatcca aacaatttaa aaatgagtgt gaagggggaa 1680
 caagtcaaaa tattttttaa agatcttcaa aagtaatgcc tctgtctagc atgccaacaa 1740
 gaatgcattg atattgtgaa catttgtgat atatgtatta ataaatagag caattacaag 1800
 c 1801

<210> 2
 <211> 244
 <212> PRT
 <213> Homo sapiens

<400> 2

Met Glu Thr Lys Pro Val Ile Thr Cys Leu Lys Thr Leu Leu Ile Ile
 1 5 10 15

Tyr Ser Phe Val Phe Trp Ile Thr Gly Val Ile Leu Leu Ala Val Gly
 20 25 30

Val Trp Gly Lys Leu Thr Leu Gly Thr Tyr Ile Ser Leu Ile Ala Glu
 35 40 45

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

Val Val Phe Gly Leu Phe Gly Cys Phe Ala Thr Cys Arg Gly Ser Pro
 65 70 75 80

Trp Met Leu Lys Leu Tyr Ala Met Phe Leu Ser Leu Val Phe Leu Ala
 85 90 95

Glu Leu Val Ala Gly Ile Ser Gly Phe Val Phe Arg His Glu Ile Lys
 100 105 110

Asp Thr Phe Leu Arg Thr Tyr Thr Asp Ala Met Gln Thr Tyr Asn Gly
 115 120 125

Asn Asp Glu Arg Ser Arg Ala Val Asp His Val Gln Arg Ser Leu Ser
 130 135 140

Cys Cys Gly Val Gln Asn Tyr Thr Asn Trp Ser Thr Ser Pro Tyr Phe
 145 150 155 160

Leu Glu His Gly Ile Pro Pro Ser Cys Cys Met Asn Glu Thr Asp Cys
 165 170 175

Asn Pro Gln Asp Leu His Asn Leu Thr Val Ala Ala Thr Lys Val Asn
 180 185 190

Gln Lys Gly Cys Tyr Asp Leu Val Thr Ser Phe Met Glu Thr Asn Met
 195 200 205

PhoenixTemp45020.tmp.txt

Gly Ile Ile Ala Gly Val Ala Phe Gly Ile Ala Phe Ser Gln Leu Ile
210 215 220

Gly Met Leu Leu Ala Cys Cys Leu Ser Arg Phe Ile Thr Ala Asn Gln
225 230 235 240

Tyr Glu Met Val

<210> 3
<211> 112
<212> PRT
<213> Homo sapiens

<400> 3

Ile Ser Gly Phe Val Phe Arg His Glu Ile Lys Asp Thr Phe Leu Arg
1 5 10 15

Thr Tyr Thr Asp Ala Met Gln Thr Tyr Asn Gly Asn Asp Glu Arg Ser
20 25 30

Arg Ala Val Asp His Val Gln Arg Ser Leu Ser Cys Cys Gly Val Gln
35 40 45

Asn Tyr Thr Asn Trp Ser Thr Ser Pro Tyr Phe Leu Glu His Gly Ile
50 55 60

Pro Pro Ser Cys Cys Met Asn Glu Thr Asp Cys Asn Pro Gln Asp Leu
65 70 75 80

His Asn Leu Thr Val Ala Ala Thr Lys Val Asn Gln Lys Gly Cys Tyr
85 90 95

Asp Leu Val Thr Ser Phe Met Glu Thr Asn Met Gly Ile Ile Ala Gly
100 105 110

<210> 4
<211> 74
<212> PRT
<213> Homo sapiens

<400> 4

Gln Arg Ser Leu Ser Cys Cys Gly Val Gln Asn Tyr Thr Asn Trp Ser
1 5 10 15

Thr Ser Pro Tyr Phe Leu Glu His Gly Ile Pro Pro Ser Cys Cys Met
20 25 30

Asn Glu Thr Asp Cys Asn Pro Gln Asp Leu His Asn Leu Thr Val Ala
35 40 45

Ala Thr Lys Val Asn Gln Lys Gly Cys Tyr Asp Leu Val Thr Ser Phe
Page 3

50

55

60

Met Glu Thr Asn Met Gly Ile Ile Ala Gly
 65 70

<210> 5
 <211> 49
 <212> PRT
 <213> Homo sapiens

<400> 5

Ile Pro Pro Ser Cys Cys Met Asn Glu Thr Asp Cys Asn Pro Gln Asp
 1 5 10 15

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

Tyr Asp Leu Val Thr Ser Phe Met Glu Thr Asn Met Gly Ile Ile Ala
 35 40 45

Gly

<210> 6
 <211> 43
 <212> PRT
 <213> Homo sapiens

<400> 6

Met Asn Glu Thr Asp Cys Asn Pro Gln Asp Leu His Asn Leu Thr Val
 1 5 10 15

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

Phe Met Glu Thr Asn Met Gly Ile Ile Ala Gly
 35 40

<210> 7
 <211> 1051
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (59)..(59)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (702)..(702)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (832)..(832)
 <223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (841)..(841)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (858)..(858)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (862)..(862)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (869)..(869)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (891)..(891)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (910)..(910)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (918)..(918)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (922)..(922)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (942)..(942)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (965)..(965)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (991)..(991)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (1008)..(1008)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (1015)..(1015)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (1042)..(1042)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (1048)..(1048)

<223> n is a, c, g, or t

<400> 7

```
tgtgagcggg tacattcccc tctagaaata attttgttta actttaagaa ggagatatnc      60
atatgcacca tcatcatcat cattcttctg gtctggtgcc acgcggttct ggtatgaaag      120
aaaccgctgc tgctaaattc gaacgccagc acatggacag cccagatctg ggtaccgatg      180
acgacgacaa gatttcaggg tttgtgtttc gtcatgagat caaggacacc ttcctgagga      240
cttacacgga cgctatgcag acttacaatg gcaatgatga gaggagccgg gcagtggacc      300
atgtgcagcg cagcctgagc tgctgtggtg tgcagaacta caccaactgg agcaccagcc      360
cctacttcct ggagcatggc atcccccca gctgctgcat gaacgaaact gattgtaatc      420
cccaggatct acacaatctg actgtggccg ccaccaaagt taaccagaag ggttgttatg      480
atctggtaac tagtttcatg gagactaaca tgggaatcat cgctggagac cgggcttctc      540
ctcaaccatg gcgatatcgg atccgaattc tagctccgtc gacaagcttg cggccgcact      600
cgagcaccac caccaccacc actgagatcc ggctgctaac aaagcccgaa aggaagctga      660
gttggtgctg gccaccgctg agcaataact agcataaccc cntggggcct ctaaacgggt      720
cttgaggggt tttttgctga aaggaggaac tatatccgga ttggcgaatg ggacgcgccc      780
tgtagcggcg cataaagcgc ggcggtgtg gtggttacgc gcagcgtgac gnctaacttg      840
ncagcgcctc agcgcctcct cntttcgctt ttcttccctt cctttctcgc ncgtttcgcc      900
ggctttcccn gtcagctnta antcgggggg ctcccttagg gntccattta gtgctttacg      960
gccncacccc caaaaacttg attaaagtg ngggttcccg aatgggcntc ccccntgata     1020
acggtttttc ccctttgacg tngagtcnct t                                     1051
```

<210> 8

<211> 209

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<222> (188)..(188)

<223> Xaa can be any naturally occurring amino acid

<400> 8

```
Met His His His His His His Ser Ser Gly Leu Val Pro Arg Gly Ser
1          5          10         15
```

```
Gly Met Lys Glu Thr Ala Ala Ala Lys Phe Glu Arg Gln His Met Asp
20          25          30
```

```
Ser Pro Asp Leu Gly Thr Asp Asp Asp Asp Lys Ile Ser Gly Phe Val
35          40          45
```

PhoenixTemp45020.tmp.txt

Phe Arg His Glu Ile Lys Asp Thr Phe Leu Arg Thr Tyr Thr Asp Ala
50 55 60

Met Gln Thr Tyr Asn Gly Asn Asp Glu Arg Ser Arg Ala Val Asp His
65 70 75 80

Val Gln Arg Ser Leu Ser Cys Cys Gly Val Gln Asn Tyr Thr Asn Trp
85 90 95

Ser Thr Ser Pro Tyr Phe Leu Glu His Gly Ile Pro Pro Ser Cys Cys
100 105 110

Met Asn Glu Thr Asp Cys Asn Pro Gln Asp Leu His Asn Leu Thr Val
115 120 125

Ala Ala Thr Lys Val Asn Gln Lys Gly Cys Tyr Asp Leu Val Thr Ser
130 135 140

Phe Met Glu Thr Asn Met Gly Ile Ile Ala Gly Asp Arg Ala Ser Pro
145 150 155 160

Gln Pro Trp Arg Tyr Arg Ile Arg Ile Leu Ala Pro Ser Thr Ser Leu
165 170 175

Arg Pro His Ser Ser Thr Thr Thr Thr Thr Xaa Ile Arg Leu Leu
180 185 190

Thr Lys Pro Glu Arg Lys Leu Ser Trp Leu Leu Pro Pro Leu Ser Asn
195 200 205

Asn

<210> 9
<211> 44
<212> DNA
<213> Homo sapiens

<400> 9
gacgacgaca agatttcagg gtttgtgttt cgtcatgaga tcaa 44

<210> 10
<211> 37
<212> DNA
<213> Homo sapiens

<400> 10
gaggagaagc ccggtctcca gcgatgattc ccattgtt 37

<210> 11
<211> 33
<212> DNA
<213> Homo sapiens

<400> 11

PhoenixTemp45020.tmp.txt
gacgacgaca agatgcagcg cagcctgagc tgc 33

<210> 12
<211> 33
<212> DNA
<213> Homo sapiens

<400> 12
gacgacgaca agatcccccc cagctgctgc atg 33

<210> 13
<211> 37
<212> DNA
<213> Homo sapiens

<400> 13
gacgacgaca agatgaacga aactgattgt aatcccc 37

<210> 14
<211> 30
<212> DNA
<213> Homo sapiens

<400> 14
gacgacgaca agatggaccg ggcttctcct 30

<210> 15
<211> 33
<212> DNA
<213> Homo sapiens

<400> 15
gaggagaagc ccggtctagt tattgctcag cgg 33

<210> 16
<211> 157
<212> PRT
<213> Macaca fascicularis

<400> 16

Met Phe Leu Ser Leu Val Phe Leu Ala Glu Leu Val Ala Gly Ile Ser
1 5 10 15

Gly Phe Val Phe Arg His Glu Ile Lys Asp Thr Phe Leu Arg Thr Tyr
20 25 30

Thr Asp Ala Met Gln Asn Tyr Asn Gly Asn Asp Glu Arg Ser Arg Ala
35 40 45

Val Asp His Val Gln Arg Ser Leu Ser Cys Cys Gly Val Gln Asn Tyr
50 55 60

Thr Asn Trp Ser Thr Ser Pro Tyr Phe Leu Asp His Gly Ile Pro Pro
65 70 75 80

Ser Cys Cys Met Asn Glu Thr Asp Cys Asn Pro Gln Asp Leu His Asn
85 90 95

PhoenixTemp45020.tmp.txt

Leu Thr Val Ala Ala Thr Lys Val Asn Gln Lys Gly Cys Tyr Asp Leu
100 105 110

Val Thr Ser Phe Met Glu Thr Asn Met Gly Ile Ile Ala Gly Val Ala
115 120 125

Phe Gly Ile Ala Phe Ser Gln Leu Ile Gly Met Leu Leu Ala Cys Cys
130 135 140

Leu Ser Arg Phe Ile Thr Ala Asn Gln Tyr Glu Met Val
145 150 155

<210> 17
<211> 52
<212> PRT
<213> Pan troglodytes

<400> 17

Leu Ser Cys Cys Gly Val Gln Asn Tyr Thr Asn Trp Ser Thr Ser Pro
1 5 10 15

Tyr Phe Leu Glu His Gly Ile Pro Pro Ser Cys Cys Met Asn Glu Thr
20 25 30

Asp Cys Asn Pro Gln Asp Leu His Asn Leu Thr Val Ala Ala Thr Lys
35 40 45

Val Asn Gln Lys
50

<210> 18
<211> 54
<212> PRT
<213> artificial

<220>
<223> C-term sequence

<220>
<221> misc_feature
<222> (33)..(33)
<223> Xaa can be any naturally occurring amino acid

<400> 18

Asp Arg Ala Ser Pro Gln Pro Trp Arg Tyr Arg Ile Arg Ile Leu Ala
1 5 10 15

Pro Ser Thr Ser Leu Arg Pro His Ser Ser Thr Thr Thr Thr Thr Thr
20 25 30

Xaa Ile Arg Leu Leu Thr Lys Pro Glu Arg Lys Leu Ser Trp Leu Leu
35 40 45

Pro Pro Leu Ser Asn Asn

50

<210> 19
 <211> 84
 <212> PRT
 <213> Homo sapiens
 <400> 19

Asp Glu Arg Ser Arg Ala Val Asp His Val Gln Arg Ser Leu Ser Cys
 1 5 10 15

Cys Gly Val Gln Asn Tyr Thr Asn Trp Ser Thr Ser Pro Tyr Phe Leu
 20 25 30

Glu His Gly Ile Pro Pro Ser Cys Cys Met Asn Glu Thr Asp Cys Asn
 35 40 45

Pro Gln Asp Leu His Asn Leu Thr Val Ala Ala Thr Lys Val Asn Gln
 50 55 60

Lys Gly Cys Tyr Asp Leu Val Thr Ser Phe Met Glu Thr Asn Met Gly
 65 70 75 80

Ile Ile Ala Gly

<210> 20
 <211> 27
 <212> PRT
 <213> homo sapiens
 <400> 20

Ala Ala Thr Lys Val Asn Gln Lys Gly Cys Tyr Asp Leu Val Thr Ser
 1 5 10 15

Phe Met Glu Thr Asn Met Gly Ile Ile Ala Gly
 20 25

<210> 21
 <211> 32
 <212> PRT
 <213> homo sapiens
 <400> 21

Ile Ser Gly Phe Val Phe Arg His Glu Ile Lys Asp Thr Phe Leu Arg
 1 5 10 15

Thr Tyr Thr Asp Ala Met Gln Thr Tyr Asn Gly Asn Asp Glu Arg Ser
 20 25 30

<210> 22
 <211> 25
 <212> PRT
 <213> homo sapiens

<400> 22

Tyr Asn Gly Asn Asp Glu Arg Ser Arg Ala Val Asp His Val Gln Arg
 1 5 10 15

Ser Leu Ser Cys Cys Gly Val Gln Asn
 20 25

<210> 23

<211> 31

<212> PRT

<213> homo sapiens

<400> 23

Ser Leu Ser Cys Cys Gly Val Gln Asn Tyr Thr Asn Trp Ser Thr Ser
 1 5 10 15

Pro Tyr Phe Leu Glu His Gly Ile Pro Pro Ser Cys Cys Met Asn
 20 25 30

<210> 24

<211> 21

<212> PRT

<213> homo sapiens

<400> 24

Glu His Gly Ile Pro Pro Ser Cys Cys Met Asn Glu Thr Asp Cys Asn
 1 5 10 15

Pro Gln Asp Leu His
 20

<210> 25

<211> 23

<212> PRT

<213> homo sapiens

<400> 25

Glu Thr Asp Cys Asn Pro Gln Asp Leu His Asn Leu Thr Val Ala Ala
 1 5 10 15

Thr Lys Val Asn Gln Lys Gly
 20

<210> 26

<211> 50

<212> PRT

<213> homo sapiens

<400> 26

Ile Ser Gly Phe Val Phe Arg His Glu Ile Lys Asp Thr Phe Leu Arg
 1 5 10 15

Thr Tyr Thr Asp Ala Met Gln Thr Tyr Asn Gly Asn Asp Glu Arg Ser
 20 25 30

PhoenixTemp45020.tmp.txt

Arg Ala Val Asp His Val Gln Arg Ser Leu Ser Cys Cys Gly Val Gln
35 40 45

Asn Tyr
50

<210> 27
<211> 71
<212> PRT
<213> homo sapiens

<400> 27

Ile Ser Gly Phe Val Phe Arg His Glu Ile Lys Asp Thr Phe Leu Arg
1 5 10 15

Thr Tyr Thr Asp Ala Met Gln Thr Tyr Asn Gly Asn Asp Glu Arg Ser
20 25 30

Arg Ala Val Asp His Val Gln Arg Ser Leu Ser Cys Cys Gly Val Gln
35 40 45

Asn Tyr Thr Asn Trp Ser Thr Ser Pro Tyr Phe Leu Glu His Gly Ile
50 55 60

Pro Pro Ser Cys Cys Met Asn
65 70

<210> 28
<211> 80
<212> PRT
<213> homo sapiens

<400> 28

Ile Ser Gly Phe Val Phe Arg His Glu Ile Lys Asp Thr Phe Leu Arg
1 5 10 15

Thr Tyr Thr Asp Ala Met Gln Thr Tyr Asn Gly Asn Asp Glu Arg Ser
20 25 30

Arg Ala Val Asp His Val Gln Arg Ser Leu Ser Cys Cys Gly Val Gln
35 40 45

Asn Tyr Thr Asn Trp Ser Thr Ser Pro Tyr Phe Leu Glu His Gly Ile
50 55 60

Pro Pro Ser Cys Cys Met Asn Glu Thr Asp Cys Asn Pro Gln Asp Leu
65 70 75 80

<210> 29
<211> 94
<212> PRT
<213> homo sapiens

<400> 29

PhoenixTemp45020.tmp.txt

Ile Ser Gly Phe Val Phe Arg His Glu Ile Lys Asp Thr Phe Leu Arg
1 5 10 15

Thr Tyr Thr Asp Ala Met Gln Thr Tyr Asn Gly Asn Asp Glu Arg Ser
20 25 30

Arg Ala Val Asp His Val Gln Arg Ser Leu Ser Cys Cys Gly Val Gln
35 40 45

Asn Tyr Thr Asn Trp Ser Thr Ser Pro Tyr Phe Leu Glu His Gly Ile
50 55 60

Pro Pro Ser Cys Cys Met Asn Glu Thr Asp Cys Asn Pro Gln Asp Leu
65 70 75 80

His Asn Leu Thr Val Ala Ala Thr Lys Val Asn Gln Lys Gly
85 90

<210> 30
<211> 47
<212> PRT
<213> homo sapiens
<400> 30

Tyr Asn Gly Asn Asp Glu Arg Ser Arg Ala Val Asp His Val Gln Arg
1 5 10 15

Ser Leu Ser Cys Cys Gly Val Gln Asn Tyr Thr Asn Trp Ser Thr Ser
20 25 30

Pro Tyr Phe Leu Glu His Gly Ile Pro Pro Ser Cys Cys Met Asn
35 40 45

<210> 31
<211> 56
<212> PRT
<213> homo sapiens
<400> 31

Tyr Asn Gly Asn Asp Glu Arg Ser Arg Ala Val Asp His Val Gln Arg
1 5 10 15

Ser Leu Ser Cys Cys Gly Val Gln Asn Tyr Thr Asn Trp Ser Thr Ser
20 25 30

Pro Tyr Phe Leu Glu His Gly Ile Pro Pro Ser Cys Cys Met Asn Glu
35 40 45

Thr Asp Cys Asn Pro Gln Asp Leu
50 55

<210> 32
<211> 70

PhoenixTemp45020.tmp.txt

<212> PRT

<213> homo sapiens

<400> 32

Tyr Asn Gly Asn Asp Glu Arg Ser Arg Ala Val Asp His Val Gln Arg
1 5 10 15

Ser Leu Ser Cys Cys Gly Val Gln Asn Tyr Thr Asn Trp Ser Thr Ser
20 25 30

Pro Tyr Phe Leu Glu His Gly Ile Pro Pro Ser Cys Cys Met Asn Glu
35 40 45

Thr Asp Cys Asn Pro Gln Asp Leu His Asn Leu Thr Val Ala Ala Thr
50 55 60

Lys Val Asn Gln Lys Gly
65 70

<210> 33

<211> 88

<212> PRT

<213> homo sapiens

<400> 33

Tyr Asn Gly Asn Asp Glu Arg Ser Arg Ala Val Asp His Val Gln Arg
1 5 10 15

Ser Leu Ser Cys Cys Gly Val Gln Asn Tyr Thr Asn Trp Ser Thr Ser
20 25 30

Pro Tyr Phe Leu Glu His Gly Ile Pro Pro Ser Cys Cys Met Asn Glu
35 40 45

Thr Asp Cys Asn Pro Gln Asp Leu His Asn Leu Thr Val Ala Ala Thr
50 55 60

Lys Val Asn Gln Lys Gly Cys Tyr Asp Leu Val Thr Ser Phe Met Glu
65 70 75 80

Thr Asn Met Gly Ile Ile Ala Gly
85

<210> 34

<211> 39

<212> PRT

<213> homo sapiens

<400> 34

Ser Leu Ser Cys Cys Gly Val Gln Asn Tyr Thr Asn Trp Ser Thr Ser
1 5 10 15

Pro Tyr Phe Leu Glu His Gly Ile Pro Pro Ser Cys Cys Met Asn Glu
20 25 30

PhoenixTemp45020.tmp.txt

Thr Asp Cys Asn Pro Gln Asp
35

<210> 35
<211> 50
<212> PRT
<213> homo sapiens
<400> 35

Ser Leu Ser Cys Cys Gly Val Gln Asn Tyr Thr Asn Trp Ser Thr Ser
1 5 10 15

Pro Tyr Phe Leu Glu His Gly Ile Pro Pro Ser Cys Cys Met Asn Glu
20 25 30

Thr Asp Cys Asn Pro Gln Asp Leu His Asn Leu Thr Val Ala Ala Thr
35 40 45

Lys Val
50

<210> 36
<211> 31
<212> PRT
<213> homo sapiens
<400> 36

Ile Pro Pro Ser Cys Cys Met Asn Glu Thr Asp Cys Asn Pro Gln Asp
1 5 10 15

Leu His Asn Leu Thr Val Ala Ala Thr Lys Val Asn Gln Lys Gly
20 25 30

<210> 37
<211> 249
<212> PRT
<213> homo sapiens
<400> 37

Met Ala Ser Arg Arg Met Glu Thr Lys Pro Val Ile Thr Cys Leu Lys
1 5 10 15

Thr Leu Leu Ile Ile Tyr Ser Phe Val Phe Trp Ile Thr Gly Val Ile
20 25 30

Leu Leu Ala Val Gly Val Trp Gly Lys Leu Thr Leu Gly Thr Tyr Ile
35 40 45

Ser Leu Ile Ala Glu Asn Ser Thr Asn Ala Pro Tyr Val Leu Ile Gly
50 55 60

Thr Gly Thr Thr Ile Val Val Phe Gly Leu Phe Gly Cys Phe Ala Thr
65 70 75 80

PhoenixTemp45020.tmp.txt

Cys Arg Gly Ser Pro Trp Met Leu Lys Leu Tyr Ala Met Phe Leu Ser
 85 90 95
 Leu Val Phe Leu Ala Glu Leu Val Ala Gly Ile Ser Gly Phe Val Phe
 100 105 110
 Arg His Glu Ile Lys Asp Thr Phe Leu Arg Thr Tyr Thr Asp Ala Met
 115 120 125
 Gln Thr Tyr Asn Gly Asn Asp Glu Arg Ser Arg Ala Val Asp His Val
 130 135 140
 Gln Arg Ser Leu Ser Cys Cys Gly Val Gln Asn Tyr Thr Asn Trp Ser
 145 150 155 160
 Thr Ser Pro Tyr Phe Leu Glu His Gly Ile Pro Pro Ser Cys Cys Met
 165 170 175
 Asn Glu Thr Asp Cys Asn Pro Gln Asp Leu His Asn Leu Thr Val Ala
 180 185 190
 Ala Thr Lys Val Asn Gln Lys Gly Cys Tyr Asp Leu Val Thr Ser Phe
 195 200 205
 Met Glu Thr Asn Met Gly Ile Ile Ala Gly Val Ala Phe Gly Ile Ala
 210 215 220
 Phe Ser Gln Leu Ile Gly Met Leu Leu Ala Cys Cys Leu Ser Arg Phe
 225 230 235 240
 Ile Thr Ala Asn Gln Tyr Glu Met Val
 245