

SEQUENCE LISTING

<110> GEMINI THERAPEUTICS INC.

<120> FACTOR H POTENTIATING ANTIBODIES AND USES THEREOF

<130> GEM-013WO

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<151> 2019-07-17

<160> 52

<170> PatentIn version 3.5

<210> 1

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<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 1

Ser Ser Val Thr Tyr

1 5

<210> 2

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 2

Ala Thr Ser

1

<210> 3

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<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 3

Gln His Arg Ser Ser Ser Asn Pro Leu Thr
1 5 10

<210> 4

<211> 107

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 4

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

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

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

Ala Thr Ser Asn Leu Ala Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
50 55 60

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

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

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

<210> 5

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 5

Gly Phe Ser Leu Thr Asn Tyr Gly
1 5

<210> 6
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 6

Val Trp Ser Gly Gly Thr Thr
1 5

<210> 7
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 7

Ala Arg Asn Phe Gly Asn Tyr Ala Met Asp Tyr
1 5 10

<210> 8
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 8

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

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

Gly Val Val Trp Ser Gly Gly Thr Thr Glu Phe Asn Pro Ser Leu Lys
50 55 60

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

Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala
85 90 95

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

Val Thr Val Ser Ser
115

<210> 9

<400> 9
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<210> 10

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 10

Ile Trp Ser Gly Gly Thr Thr
1 5

<210> 11

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 11

Ala Arg Asn Phe Gly Asn Tyr Ala Met Asp Phe
1 5 10

<210> 12

<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 12

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

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

Gly Val Ile Trp Ser Gly Gly Thr Thr Glu Tyr Asn Pro Ser Met Lys
50 55 60

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

Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala
85 90 95

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

Val Thr Val Ser Ser
115

<210> 13
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 13

Thr Ser Val Thr Tyr
1 5

<210> 14
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 14

Ala Ser Ser
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<210> 15

<400> 15
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<210> 16
<211> 107
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 16

Asp Ile Gln Leu 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 Thr Ser Val Thr Tyr Met
20 25 30

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

Ala Ser Ser Asn Leu Ala Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
50 55 60

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

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

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

<210> 17
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<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 17
tcaagtgtca aatac 15

<210> 18
<211> 9
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 18
gccacatcc 9

<210> 19
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 19
cagcagtggga gtattatccc acccagc 27

<210> 20
<211> 319
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

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gtgacttgca gggccagttc aagtggtcaaa tacatgcact ggtatcagca gaaaccagga 120

gcctcccca aaccctggat ttttgccaca tccaacctgg cttctggagt ccctgctcgc 180

ttcagtggca gtgggtctgg gacctcttat tctctcacia tcagcagagt ggaggctgaa 240
 gatgctgcca cttattactg ccagcagtgg agtattatcc caccacggt cggtaatggg 300
 accaagctgg agctgaaac 319

<210> 21
 <211> 24
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 21
 gatttctcat tagctaggta tggt 24

<210> 22
 <211> 21
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 22
 atatggagtg gtggaaccgc a 21

<210> 23
 <211> 33
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 23
 gccagaaatt ttgtaacta cgctgtggac tac 33

<210> 24
 <211> 337
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 24
 caggtgcagc tgcagcagtc aggacctggc ctatgcagc cctctcagag cctgtccatt 60

acctgcacag tctctgattt ctcattagct aggtatggtg tacactggat tcgccagtct	120
ccaggaaagg gtctggagtg gctgggagtg atatggagtg gtggaaccgc agactataat	180
gcagctttca tatccagact gaacatcaac aaggacaatt ccaagagcca agttttcttt	240
aaaatgaaca gtctccaagc taatgacaca gccatatatt actgtgccag aaattttggt	300
aactacgctg tggactactg gggtaagga acctcag	337

<210> 25
 <211> 322
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 25	
caaattgttc tctcccagtc tccaacaatc ctgtctgcat ctccaggga gaaggtcaca	60
atgacttgca gggccagctc aagtgtact tacatgcact ggtaccagca gaagccagga	120
tcctcccca aaccctggat ttatgccaca tccaacctgg cttctggagt ccctgctcgc	180
ttcagtggca gtgggtctgg gacctttac tctctcaca tcagcagagt ggaggctgaa	240
gatgctgcca cttattactg ccagcagcgc agtagtagta acccgctcac gttcggtgct	300
gggaccaagc tggagctgaa at	322

<210> 26
 <211> 349
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 26	
caggtgcagc tgaggcagtc aggacctggc ctagtgcagc cctcacagag cctgtccatc	60
acctgcacag tctctggttt ctcattaact aactatggtg tatattgggt tcgccagtct	120
ccaggaaagg gtctggagtg gctgggagtg atatggagtg gaggaaccac tgactatagt	180
gcagctttca tatccagact gagcatcagc aaggacaact ccaagagcca agttttcttt	240
aaaatgaaca gtctgcaagc tgatgacaca gccatatact actgtgccag aatttggcac	300
tacgctatgg actacatggg gtcaaggaac ctacaccgg tctccacag	349

<210> 27

<400> 27
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<210> 28

<400> 28
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<210> 29

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 29

Ser Ser Val Lys Tyr
1 5

<210> 30

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 30

Ala Thr Ser
1

<210> 31

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 31

Gln Gln Trp Ser Ile Ile Pro Pro Thr
1 5

<210> 32
<211> 106
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 32

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

Glu Lys Val Thr Val Thr Cys Arg Ala Ser Ser Ser Val Lys Tyr Met
20 25 30

His Trp Tyr Gln Gln Lys Pro Gly Ala Ser Pro Lys Pro Trp Ile Phe
35 40 45

Ala Thr Ser Asn Leu Ala Ser Gly Val Pro Ala Arg Phe Ser Gly Ser
50 55 60

Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Ser Arg Val Glu Ala Glu
65 70 75 80

Asp Ala Ala Thr Tyr Tyr Cys Gln Gln Trp Ser Ile Ile Pro Pro Thr
85 90 95

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

<210> 33
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 33

Asp Phe Ser Leu Ala Arg Tyr Gly
1 5

<210> 34
<211> 7

<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 34

Ile Trp Ser Gly Gly Thr Ala
1 5

<210> 35

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 35

Ala Arg Asn Phe Gly Asn Tyr Ala Val Asp Tyr
1 5 10

<210> 36

<211> 112

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 36

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

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

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

Gly Val Ile Trp Ser Gly Gly Thr Ala Asp Tyr Asn Ala Ala Phe Ile
50 55 60

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

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

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

<210> 37

<400> 37
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<210> 45

<211> 5

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 45

Ser Ser Val Thr Tyr
1 5

<210> 46

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 46

Ala Thr Ser
1

<210> 47

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 47

Gln Gln Arg Ser Ser Ser Asn Pro Leu Thr
1 5 10

<210> 48

<211> 107

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 48

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

Glu Lys Val Thr Met Thr Cys Arg Ala Ser Ser Ser Val Thr Tyr Met
20 25 30

His Trp Tyr Gln Gln Lys Pro Gly Ser Ser Pro Lys Pro Trp Ile Tyr
35 40 45

Ala Thr Ser Asn Leu Ala Ser Gly Val Pro Ala Arg Phe Ser Gly Ser
50 55 60

Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Ser Arg Val Glu Ala Glu
65 70 75 80

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

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

<210> 49
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 49

Gly Phe Ser Leu Thr Asn Tyr Gly
1 5

<210> 50
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 50

Ile Trp Ser Gly Gly Thr Thr
1 5

<210> 51
<211> 11
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 51

Ala Arg Asn Phe Gly Asn Tyr Ala Met Asp Tyr
1 5 10

<210> 52

<211> 117

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 52

Gln Val Gln Leu Arg Gln Ser Gly Pro Gly Leu Val Gln Pro Ser Gln
1 5 10 15

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

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

Gly Val Ile Trp Ser Gly Gly Thr Thr Asp Tyr Ser Ala Ala Phe Ile
50 55 60

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

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

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

Val Thr Val Ser Ser
115