

01032018 Sequence Listings
SEQUENCE LISTING

<110> ÖĐÉ½¿μ·½ÉúîîÒ½ÒÒÓĐİİ»¹«Ë½

<120> ò»ÖÖ¿¹PD1μ¥¿ËÂ¿¿¹İâ¿¢ÄäÒÒîî×éºîîî½ºÄäÓÃÍ½

<130> IEC170039PCT

<160> 14

<170> PatentIn version 3.2

<210> 1

<211> 354

<212> DNA

<213> Artificial

<220>

<223> μ¥¿ËÂ¿¿¹İâ14C12ÖÖÁ¿¿É±äÇøμÄºËÜÖËáĐòÁĐ

<400> 1

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agctgcgccg	cttccggctt	cgccttttagc	tcctacgaca	tgtcatgggt	gaggcagacc	120
cctgagaagc	gcctggaatg	ggtcgctact	atcagcggag	gcgggcgata	cacctactat	180
cctgactctg	tcaaagggag	attcacaatt	agtcgggata	acgccagaaa	tactctgtat	240
ctgcagatgt	ctagtctgcg	gtccgaggat	acagctctgt	actattgtgc	aaaccggtac	300
ggcgaagcat	ggtttgccta	ttggggacag	ggcaccctgg	tgacagtctc	tgcc	354

<210> 2

<211> 118

<212> PRT

<213> Artificial

<220>

<223> μ¥¿ËÂ¿¿¹İâ14C12ÖÖÁ¿¿É±äÇøμÄº±»ùËáĐòÁĐ

<400> 2

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

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

01032018 Sequence Listings

Asp Met Ser Trp Val Arg Gln Thr Pro Glu Lys Arg Leu Glu Trp Val
35 40 45

Ala Thr Ile Ser Gly Gly Gly Arg Tyr Thr Tyr Tyr Pro Asp Ser Val
50 55 60

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

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

Ala Asn Arg Tyr Gly Glu Ala Trp Phe Ala Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Ser Ala
115

<210> 3
<211> 318
<212> DNA
<213> Artificial

<220>
<223> μ¥¿ËÂ¿¿¹Ïã14C12ÇáÁ¿¿É±äÇøμÄ°ËÜÖËáÐòÁÐ

<400> 3
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ttcacatgca aagcatccca ggacatcaac acatacctgt cttggtttca gcagaagcca 120
ggcaaaagcc ccaagaccct gatctaccgg gccaatagac tgggtggacgg ggtccccagc 180
agatttctccg gatctggcag tgggcaggat tactccctga ccatcagctc cctggagtat 240
gaagacatgg gcatctacta ttgcctgcag tatgatgagt tccctctgac ctttggagca 300
ggcacaaaac tggaactg 318

<210> 4
<211> 106
<212> PRT
<213> Artificial

<220>

01032018 Sequence Listings

<223> μ¥¿ËÄ¿¿¹Ïå14C12ÇáÁ¿¿É±äÇøμÄ°±»ùËáÐòÁÐ

<400> 4

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

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

Leu Ser Trp Phe Gln Gln Lys Pro Gly Lys Ser Pro Lys Thr Leu Ile
35 40 45

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

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

Glu Asp Met Gly Ile Tyr Tyr Cys Leu Gln Tyr Asp Glu Phe Pro Leu
85 90 95

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

<210> 5

<211> 354

<212> DNA

<213> Artificial

<220>

<223> μ¥¿ËÄ¿¿¹Ïå14C12H1L1ÖÖÁ¿¿É±äÇøμÄ°ËÜÖËáÐòÁÐ

<400> 5

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agctgcgcag cttccggatt cgccttttagc tcctacgaca tgtcctgggt gcgacaggca	120
ccaggaaagg gactggattg ggtcgctact atctcaggag gcgggagata cacctactat	180
cctgacagcg tcaagggccg gttcacaatc tctagagata acagtaagaa caatctgtat	240
ctgcagatga acagcctgag ggctgaggac accgcactgt actattgtgc caaccgctac	300
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01032018 Sequence Listings

<210> 6
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 <213> Artificial

<220>
 <223> μ¥¿ËÄ¿¿¹Ïã14C12H1L1ÖÖÁ¿¿É±äÇøμÄ°±»ùËáÐòÁÐ

<400> 6

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

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

Asp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Asp Trp Val
 35 40 45

Ala Thr Ile Ser Gly Gly Gly Arg Tyr Thr Tyr Tyr Pro Asp Ser Val
 50 55 60

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

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

Ala Asn Arg Tyr Gly Glu Ala Trp Phe Ala Tyr Trp Gly Gln Gly Thr
 100 105 110

Leu Val Thr Val Ser Ser
 115

<210> 7
 <211> 321
 <212> DNA
 <213> Artificial

<220>
 <223> μ¥¿ËÄ¿¿¹Ïã14C12H1L1ÇáÁ¿¿É±äÇøμÄ°ËÜÖËáÐòÁÐ

01032018 Sequence Listings

<400> 7
gacattcaga tgactcagag cccctcctcc atgtccgcct ctgtgggcga cagggtcacc 60
ttcacatgcc gcgctagtca ggatatcaac acctacctga gctggtttca gcagaagcca 120
gggaaaagcc ccaagacact gatctaccgg gctaatagac tggtgtcttg agtcccaagt 180
cggttcagtg gctcagggag cggacaggac tacactctga ccatcagctc cctgcagcct 240
gaggacatgg caacctacta ttgcctgcag tatgatgagt tcccactgac ctttggcgcc 300
gggacaaaac tggagctgaa g 321

<210> 8
<211> 107
<212> PRT
<213> Artificial

<220>
<223> μ¥¿ËÂ¡¿¹Ìå14C12H1L1ÇáÁ¿¿É±äÇøμÄ°±»ùËáÐòÁÐ

<400> 8
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Met Ser Ala Ser Val Gly
1 5 10 15
Asp Arg Val Thr Phe Thr Cys Arg Ala Ser Gln Asp Ile Asn Thr Tyr
20 25 30
Leu Ser Trp Phe Gln Gln Lys Pro Gly Lys Ser Pro Lys Thr Leu Ile
35 40 45
Tyr Arg Ala Asn Arg Leu Val Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60
Ser Gly Ser Gly Gln Asp Tyr Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80
Glu Asp Met Ala Thr Tyr Tyr Cys Leu Gln Tyr Asp Glu Phe Pro Leu
85 90 95
Thr Phe Gly Ala Gly Thr Lys Leu Glu Leu Lys
100 105

01032018 Sequence Listings

<210> 9
 <211> 8
 <212> PRT
 <213> Artificial

<220>
 <223> HCDR

<400> 9

Gly Phe Ala Phe Ser Ser Tyr Asp
 1 5

<210> 10
 <211> 8
 <212> PRT
 <213> Artificial

<220>
 <223> HCDR

<400> 10

Ile Ser Gly Gly Gly Arg Tyr Thr
 1 5

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

<220>
 <223> HCDR

<400> 11

Ala Asn Arg Tyr Gly Glu Ala Trp Phe Ala Tyr
 1 5 10

<210> 12
 <211> 6
 <212> PRT
 <213> LCDR

<400> 12

Gln Asp Ile Asn Thr Tyr
 1 5

01032018 Sequence Listings

<210> 13
<211> 3
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<400> 13

Arg Ala Asn
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<210> 14
<211> 9
<212> PRT
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<220>
<223> LCDR

<400> 14

Leu Gln Tyr Asp Glu Phe Pro Leu Thr
1 5