<110> Aventis Pharma Deutschland GmbH

<120> Method for the production of carboxy-terminal amidated peptides with GLP1 activity

<130> DEAV2004/0076

<140>
<141>

<160> 16

<170> PatentIn Ver. 2.1

<210> 1
<211> 44
<212> PRT
<213> Synthetic sequence

<220>
<223> Description of the synthetic sequence: synthetic peptide: MOD_RES K44 amidation

<400> 1
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Ser Lys Lys Lys Lys Lys Lys
35 40

<210> 2
<211> 45
<212> PRT
<213> Synthetic sequence

<220>
<223> Description of the synthetic sequence: synthetic peptide

<400> 2
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Ser Lys Lys Lys Lys Lys Lys Gly
35 40 45

<210> 3
<211> 198
<212> DNA
<213> Synthetic sequence

<220>
<223> Description of the synthetic sequence: synthetic DNA

<400> 3

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agaagctgtt cgtctgttca tcgaatggct gaaaaacggt ggtccgtcct ccggtgctcc 120
gccttcgaaa aagaagaaaa agaaaggttg ataatagcat gcacgtgcgg ccgcacctgg 180
tcgacgaatt caaaaaaa 198

<210> 4
<211> 23
<212> DNA
<213> Synthetic sequence

<220>
<223> Description of the synthetic sequence: primer

<400> 4
tttttttaagc ttgcacggtg aag 23

<210> 5
<211> 59
<212> DNA
<213> Synthetic sequence

<220>
<223> Description of the synthetic sequence: primer

<400> 5
cttccatctg tttggacagg tcggaggtga aggtaccttc accgtgcaag cttaaaaaa 59

<210> 6
<211> 69
<212> DNA
<213> Synthetic sequence

<220>
<223> Description of the synthetic sequence: primer

<400> 6
ggacggacca ccgtttttca gccattcgat gaacagacga acagcttctt cttccatctg 60
tttggacag 69

<210> 7
<211> 74
<212> DNA
<213> Synthetic sequence

<220>
<223> Description of the synthetic sequence: primer

<400> 7
gtgcatgcta ttatcaacct ttctttttct tctttttcga aggcggagca ccggaggacg 60
gaccaccgtt tttc 74

<210> 8
<211> 54
<212> DNA
<213> Synthetic sequence

<220>
<223> Description of the synthetic sequence: primer

<400> 8
ttttttgaat tcgtcgacca ggtgcggccg cacgtgcatg ctattatcaa cctt 54

<210> 9
<211> 48
<212> DNA
<213> Synthetic sequence

<220>
<223> Description of the synthetic sequence: primer

<400> 9
tttttttggat ccggtgatga cgatgacaag cacggtgaag gtaccttc 48

<210> 10
<211> 25
<212> DNA
<213> Synthetic sequence

<220>
<223> Description of the synthetic sequence: primer

<400> 10
tttttttgaat tcgtcgacca ggtgc 25

<210> 11
<211> 321
<212> DNA
<213> Synthetic sequence

<220>
<223> Description of the synthetic sequence: synthetic DNA

<400> 11
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acacctgctg ctggacctgc agatgatcct gaacggtatc aacaactaca aaaacccgaa 120
actgacgcgt atcgacgatg acgataaaca cggtgaaggt accttcacct ccgacctgtc 180
caaacagatg gaagaagaag ctgttcgtct gttcatcgaa tggctgaaaa acggtggtcc 240
gtcctccggt gctccgcctt cgaaaaagaa gaaaaagaaa ggttgataat agcatgcacg 300
tgcggccgca agcttaaaaa a 321

<210> 12
<211> 90
<212> PRT
<213> Synthetic sequence

<220>
<223> Description of the synthetic sequence: synthetic peptide

<400> 12
Met Ala Pro Thr Ser Ser Ser Thr Lys Lys Thr Gln Leu Gln Leu Glu
1 5 10 15

His Leu Leu Leu Asp Leu Gln Met Ile Leu Asn Gly Ile Asn Asn Tyr
20 25 30

Lys Asn Pro Lys Leu Thr Arg Ile Asp Asp Asp Asp Lys His Gly Glu
35 40 45

Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu Glu Ala Val
50 55 60

Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser Ser Gly Ala
65 70 75 80

Pro Pro Ser Lys Lys Lys Lys Lys Lys Gly

<210> 13
<211> 39
<212> DNA
<213> Synthetic sequence

<220>
<223> Description of the synthetic sequence: primer

<400> 13
cgtatcgacg atgacgataa acacggtgaa ggtaccttc 39

<210> 14
<211> 36
<212> DNA
<213> Synthetic sequence

<220>
<223> Description of the synthetic sequence: primer

<400> 14
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<210> 15
<211> 22
<212> DNA
<213> Synthetic sequence

<220>
<223> Description of the synthetic sequence: primer

<400> 15
tgagcggata acaatttcac ac 22

<210> 16
<211> 44
<212> DNA
<213> Synthetic sequence

<220>
<223> Description of the synthetic sequence: primer

<400> 16
tttttttaagc ttgcggccgc acgtgcatgc tattatcaac cttc 44