

SEQUENZPROTOKOLL_081544.ST25.TXT
SEQUENCE LISTING

<110> Fischer, Dietmar

<120> Protein with promoting effects for axonal growth of neurons of central nervous system

<130> 089EP 1544

<160> 21

<170> PatentIn version 3.3

<210> 1

<211> 28

<212> DNA

<213> artificial

<220>

<223> Primer for RT-PCR forward

<400> 1
cattgatgca cccattccag tggtgtaa 28

<210> 2

<211> 25

<212> DNA

<213> artificial

<220>

<223> Primer for RT-PCR reverse

<400> 2
gcaaggagcg cttacaccaa ttcac 25

<210> 3

<211> 32

<212> DNA

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<223> PCR Primer for cloning cDNA forward

<400> 3
gtcaaattga attcccttga ctccactcct cc 32

<210> 4

<211> 32

<212> DNA

<213> artificial

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<223> PCR Primer for cloning cDNA reverse

<400> 4
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<211> 65

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<223> Reverse Primer for generating C-terminal HA-tagged LINA

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<400> 5
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aggat 65

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<212> DNA
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<400> 6
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<223> Forward Primer for Detection of LINA

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<223> Reverse Primer for Detection of LINA

<400> 9
agatgccagt gccgaaga 18

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<400> 10
cattgatgca ccattccag tgggtgtaa 28

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<211> 25
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<400> 11
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<210> 12
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<210> 13
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<400> 13
 cctgcttcac caccttcttg atgt 24

<210> 14
 <211> 13
 <212> PRT
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 <223> Peptide for generating an anti-LINA antibody

<400> 14
 Asn Lys Pro Ile Ala Gly Pro Thr Glu Thr Ser Gln Ser
 1 5 10

<210> 15
 <211> 123
 <212> RNA
 <213> artificial

<220>
 <223> RNA nucleotide sequence

<400> 15
 acacgucaaa cagaccuucu gaaguucucc uuccuacuug auccacacga aggcacgguc 60
 guacggaaaag uggcguucac agaccacuuc accgaucuu acgcaacgca gacggggguac 120
 acg 123

<210> 16
 <211> 468
 <212> RNA

<213> artificial

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<223> Nucleotide sequence

<400> 16

uacgugggua	aggucaccac	auugcccaca	aagacaccgg	accccgacca	cucaugguug	60
uucaggacga	guuacggugg	uuagucaaag	guccuggaag	gggaguugua	gauguaccag	120
uagaagccgu	gaccguagaa	acagaaauac	gagucagagu	agaagacgac	gaugaaguag	180
ucguuugagg	ccuugguccg	ugucucgcuc	gcuaugccga	uguuccucca	ccacgaauuu	240
ccacuacgau	ucuucaaugu	cgagauaccc	gucuggacac	gucaaacaga	ccuucugaag	300
uuccccuucc	uacuugaucc	acacgaaggc	acggucguac	ggaaaguggc	guucacagac	360
cacuucaccg	aucuucacgc	aacgcagacg	ggguacacgu	uguucgggua	acgaccgggg	420
ugccucugga	gcgucucgua	acccuaggac	gaccuacuuu	accacauu		468

<210> 17

<211> 123

<212> DNA

<213> artificial

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<223> DNA nucleotide sequence

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tgtgcagttt	gtctggaaga	cttcaagggg	aaggatgaac	taggtgtgct	tccgtgccag	60
catgcctttc	accgcaagtg	tctggtgaag	tggctagaag	tgcgttgcgt	ctgccccatg	120
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aagtcttgct	caatgccacc	aatcagtttc	caggaccttc	ccctcaacat	ctacatggtc	120
atcttcggca	ctggcatctt	tgtctttatg	ctcagtctca	tcttctgctg	ctacttcatc	180
agcaaactcc	ggaaccaggc	acagagcgag	cgatacggct	acaaggaggt	ggtgcttaaa	240
ggtgatgcta	agaagttaca	gctctatggg	cagacctgtg	cagtttgtct	ggaagacttc	300
aaggggaagg	atgaactagg	tgtgcttccg	tgccagcatg	cctttcaccg	caagtgtctg	360
gtgaagtggc	tagaagtgcg	ttgcgtctgc	cccatgtgca	acaagcccat	tgctggcccc	420
acggagacct	cgcagagcat	tgggatcctg	ctggatgaat	tggtgtaa		468

<210> 19

<211> 41

<212> PRT

<213> artificial

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<223> amino acid sequence of a polypeptide

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Cys Ala Val Cys Leu Glu Asp Phe Lys Gly Lys Asp Glu Leu Gly Val
1 5 10 15

Leu Pro Cys Gln His Ala Phe His Arg Lys Cys Leu Val Lys Trp Leu
20 25 30

Glu Val Arg Cys Val Arg Pro Met Cys
35 40

<210> 20

<211> 155

<212> PRT

<213> artificial

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<223> Amino acid sequence

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<221> special feature

<222> (139)..(139)

<223> xaa is Gly or Ser

<220>

<221> special feature

<222> (141)..(141)

<223> xaa is Thr or Ser

<220>

<221> special feature

<222> (143)..(143)

<223> xaa is Thr or Ala

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<221> special feature

<222> (144)..(144)

<223> xaa is Ser or Thr

<220>

<221> special feature

<222> (146)..(146)

<223> xaa is Ser or Asn

<400> 20

Met His Pro Phe Gln Trp Cys Asn Gly Cys Phe Cys Gly Leu Gly Leu
1 5 10 15

Val Ser Thr Asn Lys Ser Cys Ser Met Pro Pro Ile Ser Phe Gln Asp
20 25 30

Leu Pro Leu Asn Ile Tyr Met Val Ile Phe Gly Thr Gly Ile Phe Val
35 40 45

Phe Met Leu Ser Leu Ile Phe Cys Cys Tyr Phe Ile Ser Lys Leu Arg
Seite 5

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Asn Gln Ala Gln Ser Glu Arg Tyr Gly Tyr Lys Glu Val Val Leu Lys
65 70 75 80

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

Leu Glu Asp Phe Lys Gly Lys Asp Glu Leu Gly Val Leu Pro Cys Gln
100 105 110

His Ala Phe His Arg Lys Cys Leu Val Lys Trp Leu Glu Val Arg Cys
115 120 125

Val Arg Pro Met Cys Asn Lys Pro Ile Ala Xaa Pro Xaa Glu Xaa Xaa
130 135 140

Gln Xaa Ile Gly Ile Leu Leu Asp Glu Leu Val
145 150 155

<210> 21
<211> 155
<212> PRT
<213> artificial

<220>
<223> Rat polypeptide

<400> 21

Met His Pro Phe Gln Trp Cys Asn Gly Cys Phe Cys Gly Leu Gly Leu
1 5 10 15

Val Ser Thr Asn Lys Ser Cys Ser Met Pro Pro Ile Ser Phe Gln Asp
20 25 30

Leu Pro Leu Asn Ile Tyr Met Val Ile Phe Gly Thr Gly Ile Phe Val
35 40 45

Phe Met Leu Ser Leu Ile Phe Cys Cys Tyr Phe Ile Ser Lys Leu Arg
50 55 60

Asn Gln Ala Gln Ser Glu Arg Tyr Gly Tyr Lys Glu Val Val Leu Lys
65 70 75 80

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

Leu Glu Asp Phe Lys Gly Lys Asp Glu Leu Gly Val Leu Pro Cys Gln
100 105 110

His Ala Phe His Arg Lys Cys Leu Val Lys Trp Leu Glu Val Arg Cys
115 120 125

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Val Arg Pro Met Cys Asn Lys Pro Ile Ala Gly Pro Thr Glu Thr Ser
130 135 140

Gln Ser Ile Gly Ile Leu Leu Asp Glu Leu Val
145 150 155