*h*LRRTM3 VersaClone cDNA

Catalog Number: RDC1835

Specifications:

Gene:	*h*LRRTM3
Accession:	NP_821079
Insert size:	1759bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

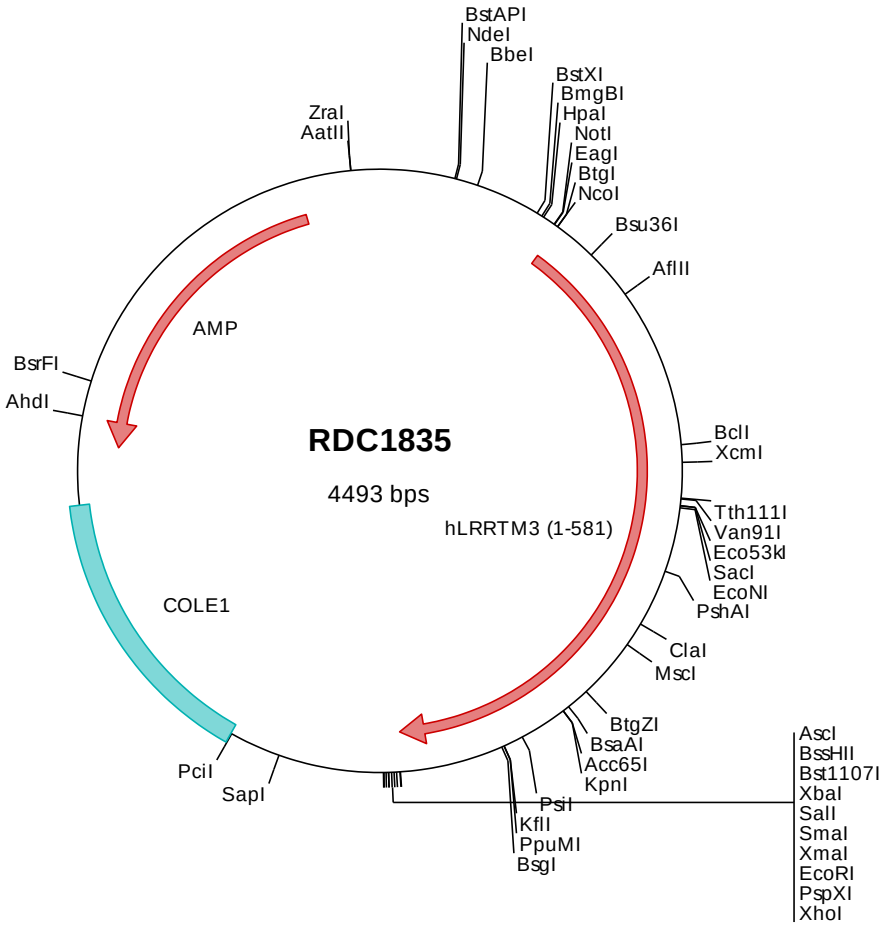
Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*LRRTM3 cDNA Plasmid

LRRTM3 leucine rich repeat transmembrane neuronal 3
[*Homo sapiens* (human)]

Summary:
LRRTM3 is one of four members of the LRRTM family of proteins within the leucine-rich repeat (LRR) superfamily. In the adult, LRRTM3 is expressed almost exclusively in the brain with high expression in the cortical laminae and dentate gyrus, as well as detectable levels in the hypothalamus and amygdala. It may be involved in the formation of the CNS and maintenance of CNS structure and function in the adult brain. Alternatively spliced transcripts encoding different proteins have been described.



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NOT FOR USE IN HUMANS

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> RDC1835 Plasmid DNA Sequence

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 101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atgggtttca atgtaattag gctactgagc ggatcagctg tagcactggt
 501  tatagccccc actgtcttac tgacaatgct ttcttctgcc gaacgaggat gccctaaggg ctgtaggtgt gaaggcaaaa tggtatattg tgaatctcag
 601  aaattacagg agataccctc aagtatatct gctggttgct taggtttgtc ccttcgctat aacagccttc aaaaacttaa gtataatcaa tttaaagggc
 701  tcaaccagct cacctggcta taccttgacc ataaccatat cagcaatatt gacgaaaatg cttttaatgg aatacgcaga ctcaaagagc tgattcttag
 801  ttccaataga atctcctatt ttcttaacaa taccttcaga cctgtgacaa atttacggaa cttggatctg tcctataatc agctgcattc tctgggatct
 901  gaacagtttc ggggcttgcg gaagctgctg agtttacatt tacggtctaa ctccctgaga accatccctg tgcgaatatt ccaagactgc cgcaacctgg
1001  aacttttgga cctgggatat aaccggatcc gaagtttagc caggaatgtc tttgctggca tgatcagact caaagaactt cacctggagc acaatcaatt
1101  ttccaagctc aacctggccc tttttccaag gttggtcagc cttcagaacc tttacttgca gtggaataaa atcagtgtca taggacagac catgtcctgg
1201  acctggagct ccttacaaag gcttgattta tcaggcaatg agatcgaagc tttcagtgga cccagtgttt tccagtgtgt cccgaatctg cagcgcctca
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1401  cagaaatatt tgctcccttg taaactggct gaaaagtttt aaaggtctaa gggagaatac aattatctgt gccagtccca aagagctgca aggagtaaat
1501  gtgatcgatg cagtgaagaa ctacagcatc tgtggcaaaa gtactacaga gaggtttgat ctggccaggg ctctcccaaa gccgacgttt aagcccaagc
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1701  ccataaaatc atcgcgggca gcgtggcgct tttcctgtcc gtgctcgtca tcctgctggt tatctacgtg tcatggaagc ggtaccctgc gagcatgaag
1801  cagctgcagc agcgctccct catgcgaagg cacaggaaaa agaaaagaca gtccctaaag caaatgactc ccagcaccca ggaattttat gtagattata
1901  aacccaccaa cacggagacc agcgagatgc tgctgaatgg gacgggaccc tgcacctata acaaatcggg ctccagggag tgtgagatac ctttatcaat
2001  gaatgtgtca acctttctgg catacgacca gcccacaata agttactgtg gggtgcatca tgaacttctc tcccataagt cctttgaaac gaatgcacag
2101  gaagatacga tggaaacaca cctagagact gagctggacc tgagcacaat cacaacagct ggccgaatca gtgaccataa acagcagcta gcttaaaggc
2201  gcgccagtat actctagagt cgacacccgg ggaattcctc gagcgctcgt ctctagcttg gcgtaatcat ggtcatagct gtttcctgtg tgaaattgtt
2301  atccgctcac aattccacac aacatacgag ccggaagcat aaagtgtaaa gcctggggtg cctaatgagt gagctaactc acattaattg cgttgcgctc
2401  actgcccgct ttccagtcgg gaaacctgtc gtgccagctg cattaatgaa tcggccaacg cgcggggaga ggcggtttgc gtattgggcg ctcttccgct
2501  tcctcgctca ctgactcgct gcgctcggtc gttcggctgc ggcgagcggt atcagctcac tcaaaggcgg taatacggtt atccacagaa tcaggggata
2601  acgcaggaaa gaacatgtga gcaaaaggcc agcaaaaggc caggaaccgt aaaaaggccg cgttgctggc gtttttccat aggctccgcc cccctgacga
2701  gcatcacaaa aatcgacgct caagtcagag gtggcgaaac ccgacaggac tataaagata ccaggcgttt cccccctggaa gctccctcgt gcgctctcct
2801  gttccgaccc tgccgcttac cggatacctg tccgcctttc tcccttcggg aagcgtggcg ctttctcaat gctcacgctg taggtatctc agttcggtgt
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3201  ctggtagcgg tggttttttt gtttgcaagc agcagattac gcgcagaaaa aaaggatctc aagaagatcc tttgatcttt tctacggggt ctgacgctca
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3601  atcagcaata aaccagccag ccggaagggc cgagcgcaga agtggtcctg caactttatc cgcctccatc cagtctatta attgttgccg ggaagctaga
3701  gtaagtagtt cgccagttaa tagtttgcgc aacgttgttg ccattgctac aggcatcgtg gtgtcacgct cgtcgtttgg tatggcttca ttcagctccg
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4301  ctttttcaat attattgaag catttatcag ggttattgtc tcatgagcgg atacatattt gaatgtattt agaaaaataa acaaataggg gttccgcgca
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> RDC1835 Translated Insert Sequence

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 101  denafngirr lkelilssnr isyflnntfr pvtnlrnldl synqlhslgs eqfrglrkll slhlrsnslr tipvrifqdc rnlelldlgy nrirslarnv
 201  fagmirlkel hlehnqfskl nlalfprlvs lqnlylqwnk isvigqtmsw twsslqrldl sgneieafsg psvfqcvpnl qrlnldsnkl tfigqeilds
 301  wislndisla gniwecsrni cslvnwlksf kglrentiic aspkelqgvn vidavknysi cgkstterfd laralpkptf kpklprpkhe skpplpptvg
 401  atepgpetda daehisfhki iagsvalfls vlvillviyv swkrypasmk qlqqrslmrr hrkkkrqslk qmtpstqefy vdykptntet semllngtgp
 501  ctynksgsre ceiplsmnvs tflaydqpti sycgvhhell shksfetnaq edtmethlet eldlstitta grisdhkqql a
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