*h*LRRTM4 VersaClone cDNA

Catalog Number: RDC1868

Specifications:

Gene:	*h*LRRTM4
Accession:	NP_001128217
Insert size:	1785bp
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.

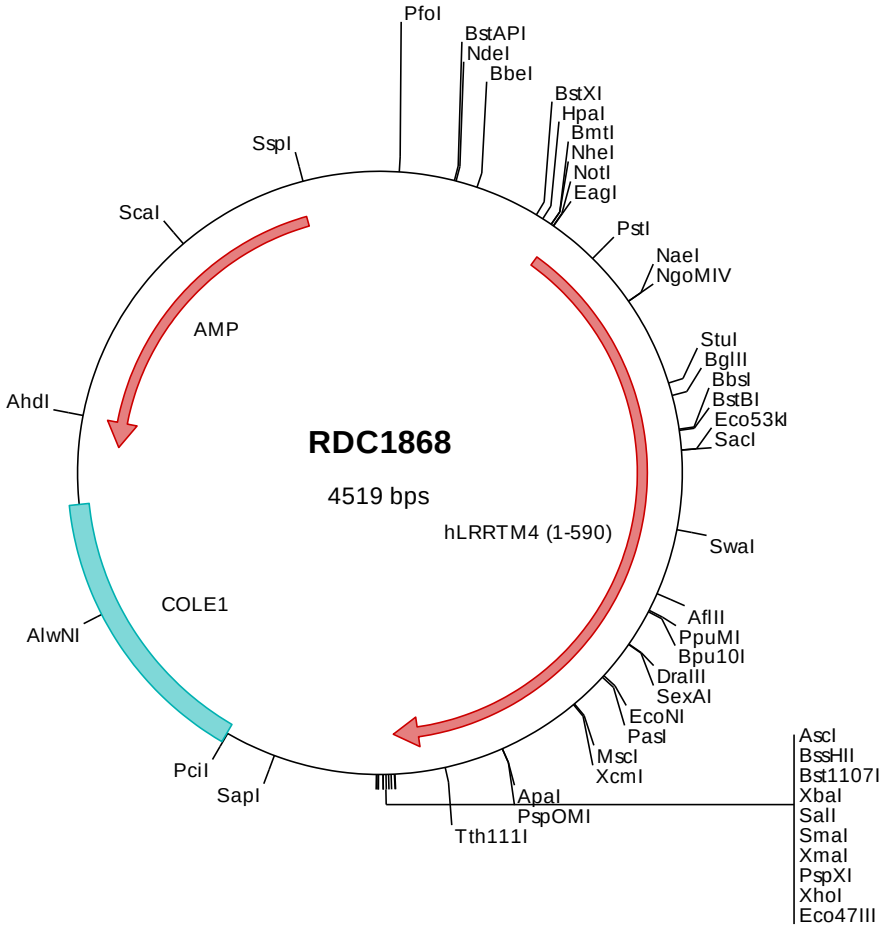
Preparation and Storage

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*LRRTM4 cDNA Plasmid

LRRTM4 leucine rich repeat transmembrane neuronal 4
[*Homo sapiens* (human)]

Summary:
LRRTM4 is a member of the LRRTM family. All members of this family are type I transmembrane proteins that contain 10 external LRR repeats plus a short cytoplasmic tail that binds PDF motifs. LRRTM4 is found in the neurons of the cerebral cortex, dentate gyrus granule cells, and cerebellar Purkinje cells. It may play a role in the development and maintenance of the vertebrate nervous system.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

2/2/2017 Rev.0

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> RDC1868 Plasmid DNA Sequence

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   1  tcgcgcgttt cggtgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
 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 atgggtttcc atttaattac gcagctgaaa ggcatgagtg tggtgctggt
 501  gctacttcct acactgctgc ttgttatgct cacgggtgct cagagagctt gcccaaagaa ctgcagatgt gatggcaaaa ttgtgtactg tgagtctcat
 601  gctttcgcag atatccctga gaacatttct ggagggtcac aaggcttatc attaaggttc aacagcattc agaagctcaa atccaatcag tttgccggcc
 701  ttaaccagct tatatggctt tatcttgacc ataattacat tagctcagtg gatgaagatg catttcaagg gatccgtaga ctgaaagaat taattctaag
 801  ctccaacaaa attacttatc tgcacaataa aacatttcac ccagttccca atctccgcaa tctggacctc tcctacaata agcttcagac attgcaatct
 901  gaacaattta aaggccttcg gaaactcatc attttgcact tgagatctaa ctcactaaag actgtgccca taagagtttt tcaagactgt cggaatcttg
1001  atttttgga tttgggttac aatcgtcttc gaagcttgtc ccgaaatgca tttgctggcc tcttgaagtt aaaggagctc cacctggagc acaaccagtt
1101  ttccaagatc aactttgctc attttccacg tctcttcaac ctccgctcaa tttacttaca atggaacagg attcgctcca ttagccaagg tttgacatgg
1201  acttggagtt ccttacacaa cttggattta tcagggaatg acatccaagg aattgagccg ggcacattta aatgcctccc caatttacaa aaattgaatt
1301  tggattccaa caagctcacc aatatctcac aggaaactgt caatgcgtgg atatcattaa tatccatcac attgtctgga aatatgtggg aatgcagtcg
1401  gagcatttgt cctttatttt attggcttaa gaatttcaaa ggaaataagg aaagcaccat gatatgtgcg ggacctaagc acatccaggg tgaaaaggtt
1501  agtgatgcag tggaaacata taatatctgt tctgaagtcc aggtggtcaa cacagaaaga tcacacctgg tgccccaaac tccccagaaa cctctgatta
1601  tccctagacc taccatcttc aaacctgacg tcacccaatc cacctttgaa acaccaagcc cttccccagg gtttcagatt cctggcgcag agcaagagta
1701  tgagcatgtt tcatttcaca aaattattgc cgggagtgtg gctctctttc tctcagtggc catgatcctc ttggtgatct atgtgtcttg gaaacgctac
1801  ccagccagca tgaaacaact ccagcaacac tctcttatga agaggcggcg gaaaaaggcc agagagtctg aaagacaaat gaattcccct ttacaggagt
1901  attatgtgga ctacaagcct acaaactctg agaccatgga tatatcggtt aatggatctg ggccctgcac atataccatc tctggctcca gggaatgtga
2001  gatgccacac cacatgaagc ccttgccata ttacagctat gaccagcctg tgatcgggta ctgccaggcc caccagccac tccatgtcac caagggctat
2101  gagacagtgt ctccagagca ggacgaaagc cccggcctgg agctgggccg agaccacagc ttcatcgcca ccatcgccag gtcggcagca ccggccatct
2201  acctagagag aattgcaaac taaggcgcgc cagtatactc tagagtcgac acccggggaa ttcctcgagc gctcgtctct agcttggcgt aatcatggtc
2301  atagctgttt cctgtgtgaa attgttatcc gctcacaatt ccacacaaca tacgagccgg aagcataaag tgtaaagcct ggggtgccta atgagtgagc
2401  taactcacat taattgcgtt gcgctcactg cccgctttcc agtcgggaaa cctgtcgtgc cagctgcatt aatgaatcgg ccaacgcgcg gggagaggcg
2501  gtttgcgtat tgggcgctct tccgcttcct cgctcactga ctcgctgcgc tcggtcgttc ggctgcggcg agcggtatca gctcactcaa aggcggtaat
2601  acggttatcc acagaatcag gggataacgc aggaaagaac atgtgagcaa aaggccagca aaaggccagg aaccgtaaaa aggccgcgtt gctggcgttt
2701  ttccataggc tccgcccccc tgacgagcat cacaaaaatc gacgctcaag tcagaggtgg cgaaacccga caggactata aagataccag gcgtttcccc
2801  ctggaagctc cctcgtgcgc tctcctgttc cgaccctgcc gcttaccgga tacctgtccg cctttctccc ttcgggaagc gtggcgcttt ctcaatgctc
2901  acgctgtagg tatctcagtt cggtgtaggt cgttcgctcc aagctgggct gtgtgcacga accccccgtt cagcccgacc gctgcgcctt atccggtaac
3001  tatcgtcttg agtccaaccc ggtaagacac gacttatcgc cactggcagc agccactggt aacaggatta gcagagcgag gtatgtaggc ggtgctacag
3101  agttcttgaa gtggtggcct aactacggct acactagaag gacagtattt ggtatctgcg ctctgctgaa gccagttacc ttcggaaaaa gagttggtag
3201  ctcttgatcc ggcaaacaaa ccaccgctgg tagcggtggt tttttgtttt gcaagcagca gattacgcgc agaaaaaaag gatctcaaga agatcctttg
3301  atcttttcta cggggtctga cgctcagtgg aacgaaaact cacgttaagg gattttggtc atgagattat caaaaaggat cttcacctag atccttttaa
3401  attaaaaatg aagttttaaa tcaatctaaa gtatatatga gtaaacttgg tctgacagtt accaatgctt aatcagtgag gcacctatct cagcgatctg
3501  tctatttcgt tcatccatag ttgcctgact ccccgtcgtg tagataacta cgatacggga gggcttacca tctggcccca gtgctgcaat gataccgcga
3601  gacccacgct caccggctcc agatttatca gcaataaacc agccagccgg aagggccgag cgcagaagtg gtcctgcaac tttatccgcc tccatccagt
3701  ctattaattg ttgccgggaa gctagagtaa gtagttcgcc agttaatagt ttgcgcaacg ttgttgccat tgctacaggc atcgtggtgt cacgctcgtc
3801  gtttggtatg gcttcattca gctccggttc ccaacgatca aggcgagtta catgatcccc catgttgtgc aaaaaagcgg ttagctcctt cggtcctccg
3901  atcgttgtca gaagtaagtt ggccgcagtg ttatcactca tggttatggc agcactgcat aattctctta ctgtcatgcc atccgtaaga tgcttttctg
4001  tgactggtga gtactcaacc aagtcattct gagaatagtg tatgcggcga ccgagttgct cttgcccggc gtcaatacgg gataataccg cgccacatag
4101  cagaacttta aaagtgctca tcattggaaa acgttcttcg gggcgaaaac tctcaaggat cttaccgctg ttgagatcca gttcgatgta acccactcgt
4201  gcacccaact gatcttcagc atcttttact ttcaccagcg tttctgggtg agcaaaaaca ggaaggcaaa atgccgcaaa aaagggaata agggcgacac
4301  ggaaatgttg aatactcata ctcttccttt ttcaatatta ttgaagcatt tatcagggtt attgtctcat gagcggatac atatttgaat gtatttagaa
4401  aaataaacaa ataggggttc cgcgcacatt tccccgaaaa gtgccacctg acgtctaaga aaccattatt atcatgacat taacctataa aaataggcgt
4501  atcacgaggc cctttcgtc
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> RDC1868 Translated Insert Sequence

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101  dedafqgirr lkelilssnk itylhnktfh pvpnlrnldl synklqtlqs eqfkglrkli ilhlrsnslk tvpirvfqdc rnldfldlgy nrlrslsrna
201  fagllklkel hlehnqfski nfahfprlfn lrsiylqwnr irsisqgltw twsslhnldl sgndiqgiep gtfkclpnlq klnldsnklt nisqetvnaw
301  islisitlsg nmwecsrsic plfywlknfk gnkestmica gpkhiqgekv sdavetynic sevqvvnter shlvpqtpqk pliiprptif kpdvtqstfe
401  tpspspgfqi pgaeqeyehv sfhkiiagsv alflsvamil lviyvswkry pasmkqlqqh slmkrrrkka reserqmnsp lqeyyvdykp tnsetmdisv
501  ngsgpctyti sgsrecemph hmkplpyysy dqpvigycqa hqplhvtkgy etvspeqdes pglelgrdhs fiatiarsaa paiylerian
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