

Specifications:

Gene:	mVstm5
Accession:	NP_081231
Insert size:	613bp
Concentration:	10µg at 0.2µg/µL

mVSTM5 cDNA Plasmid

**Vstm5 V-set and
transmembrane domain
containing 5 [*Mus musculus*
(house mouse)]**

Also known as: 2200002K05Rik

Summary:

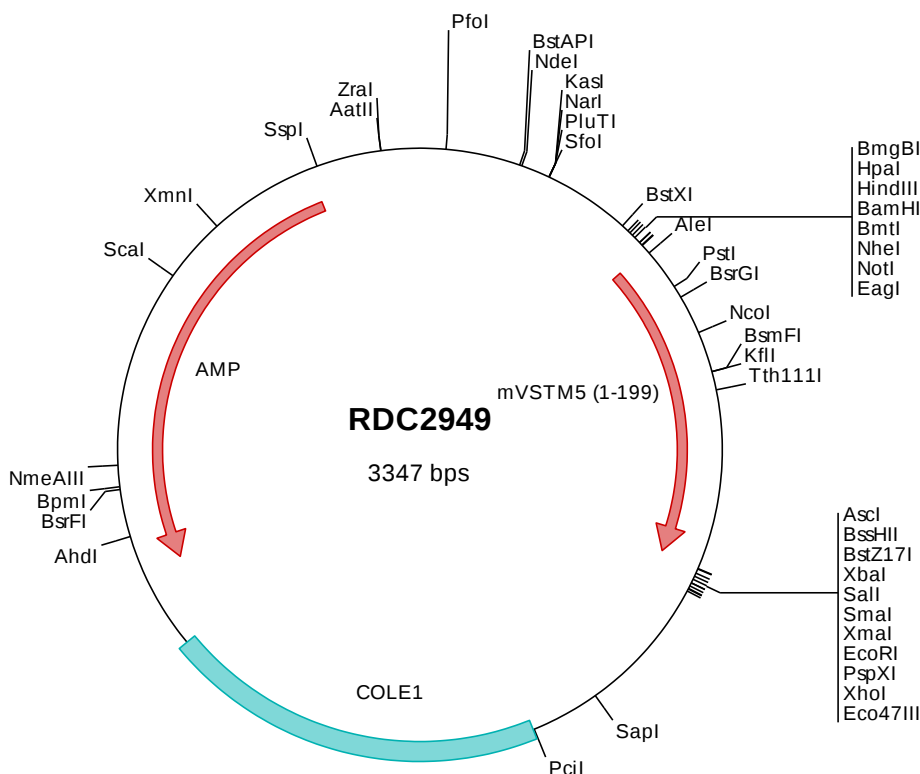
VSTM5 is a cell adhesion-like membrane protein of the central nervous system (CNS) which modulates both the position and complexity of central neurons by altering their membrane morphology and dynamics. It is involved in the formation of neuronal dendrites and protrusions including dendritic filopodia.

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.



> RDC2949 Plasmid DNA Sequence

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1   tcgcgcgcttt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcctat
301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atgagaccac tgcggtgcgg ggagaggacc caaggcaccc cgtggggct
501  gctcgcgttc tgggtgactg ctgcccgctg tctgcagagc cagggggtgt cactgtacat tccacagtcg gccatcaacg ccactgtcca acaagatatc
601  ctgttgtcag tggactacat ctgccatggt gtgcccacta ttgagtggaa gtacactcct aactggggtg tgcagaggat cgtggagtgg aaaccaggga
701  cccagcgaat tgtctccaa agccacagag acagagtctg cacttttgac aatggctcca tccagctttt caatgtgagt gtgaaggatt ctggctacta
801  catcgtcaact gtcacagagc atccggggag cagccagctc ggccaccatc tctgcgtgtg gtctgagatc cgctatgaag acctccactt cgttgtctgtc
901  ttctttgtct tgettgtctg cgtggctgtg gtgctaatac gctcatgtg ggtttgcaat cagtgtgcgt ataaattcca aaggaagagg aggtacaaac
1001 tcaaaagaaag caccactgag gagattgaga tgaaagaagt tgagtgttaa aggcgcgcca gtatactcta gactcgacac ccggggaatt cctcgagcgc
1101  tcgtctctag cttggcgtaa tcatgggtcat agctgtttcc tgtgtgaaat tgttatccgc tcacaattcc acacaacata cgagccggaa gcataaagtg
1201  taaagcctgg ggtgcctaata gactgagcta actcacatta attgcgttgc gctcactgcc cgctttccag tcgggaaacc tgtcgtgcca gctgcattaa
1301  tgaatcggcc aacgcggggg gagaggcggg ttgcgtattg ggcctctctc ctcactgact cgctgcgctc ggtcgttcgg ctgcggcgag
1401  cggtatcagc tcaactcaaa gcggtaatatc ggttatccac agaatacagg gataacgcag gaaagaacat gtgagcaaaa ggccagcaaa aggccaggaa
1501  ccgtaaaaag gccgcgttgc tggcggtttt ccataggctc cgccccctg acgagcatca caaaaatcga cgctcaagtc agaggtggcg aaaccgcaga
1601  ggactataaa gataccaggc gtttccccct ggaagctccc tcgtgcgctc tctgttccg accctgcgcg ttaccggata cctgtccgcc tttctccctt
1701  cgggaagcgt ggcgctttct caatgctcac gctgtagcta totcagttcg gtgtaggctg ttcgctccaa gctgggctgt gtgcacgaac ccccgcttca
1801  gccgacgcg tgcgcttat cgggtaacta tctgtcttag tccaaccggt taagacacga cttatcgcca ctggcagcag ccactggtaa caggattagc
1901  agagcgagg atgtaggcgg tgctacagag ttcttgaagt ggtggcctaa ctacggctac actagaagga cagtatttgg tatctgcgct ctgctgaagc
2001  cagttacctt cggaaaaaga gttggttagc cttgatccgg caaacaaccc accgctggta gcggtggttt ttttgtttgc aagcagcaga ttacgcgcag
2101  aaaaaaagga tctcaagaag atcctttgat cttttctacg ggggtctgac ctcagtggaa cgaaaactca cgttaaaggga ttttggctcat gagattatca
2201  aaaaaggatct tcacctagat cctttttaat taaaaatgaa gtttttaaat aatctaaagt atatatgagt aaacttggtc tgacagttac caatgcttaa
2301  tcagttaggc acctatctca gcgatctgtc tatttcgttc atccatagtt gctgactccc ccgtcgtgta gataactacg atacgggagg gcttaccatc
2401  tggccccagt gctgcaatga tacgcgcgaga cccacgctca cggctccag atttatcagc aataaaccag ccagccggaa gggccgagcg cagaagtgtg
2501  cctgcaactt tatccgcctc catccagctc attaattgtt gccgggaagc tagagtaagt agttccgacg ttaatatgtt gcgcaacggt gttgccattg
2601  ctacaggcat cgtggtgtca cgtcgtcgt ttggtatggc ttcattcagc tccggttccc aacgatcaag gcgagttaca tgatccccca tgttgtgcaa
2701  aaaagcgggt agctccttgc gtcctccgat cgttgtcaga agtaagttgg ccgcagtgtt atcactcatg gttatggcag cactgcataa ttctcttact
2801  gtcattgccat ccgtaagatg cttttctgtg actggtgagt actcaaccaa gtcatctgta gaatagtgtg tgccggcgacc gagtgtctct tgcccgcgct
2901  caatacggga taataccgcg ccacatagca gaactttaaa agtgctcacc attggaaaac gttcttcggg gcgaaaaact tcaaggatct taccgctgtt
3001  gagatccagt tcgatgtaac ccaactcgtc acccaactga tcttcagcat cttttacttt caccagcgtt tctgggtgag caaaaacagg aaggcaaaat
3101  gccgcaaaaa agggaataag ggcgacacgg aaatgttgaa tactcatact cttccttttt caatattatt gaagcattta tcagggttat tgtctcatga
3201  gcggatacat atttgaatgt atttagaaaa ataaacaaat aggggttccg cgcacatttc cccgaaaagt gccacctgac gtctaagaaa ccattattat
3301  catgacatta acctataaaa ataggcgtat cagcagggccc tttcgtc

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> RDC2949 Translated Insert Sequence

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1   mrplrcgert qgiplglaf wvtaarclqs qgvslyipqs ainatvqqdi llsvdyichg vptiewkytp nwgvrivew kpgtpanvsq shdrvctfd
101  ngsiqifnvs vkdsyyiwt vtehpssqs gstillrvsei ryedlhfvav ffallaavav vliismwvsn qcaykfqrkr ryklikestte eiemekevec

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