

### Specifications:

|                |                  |
|----------------|------------------|
| Gene:          | <i>mVstm2b</i>   |
| Accession:     | NP_067362        |
| Insert size:   | 871bp            |
| Concentration: | 10µg at 0.2µg/µL |

***mVSTM2B* cDNA  
Plasmid**

**Vstm2b V-set and  
transmembrane domain  
containing 2B [ *Mus musculus*  
(house mouse) ]**

**Also known as:** AB030198;  
2900093B09Rik

### Summary:

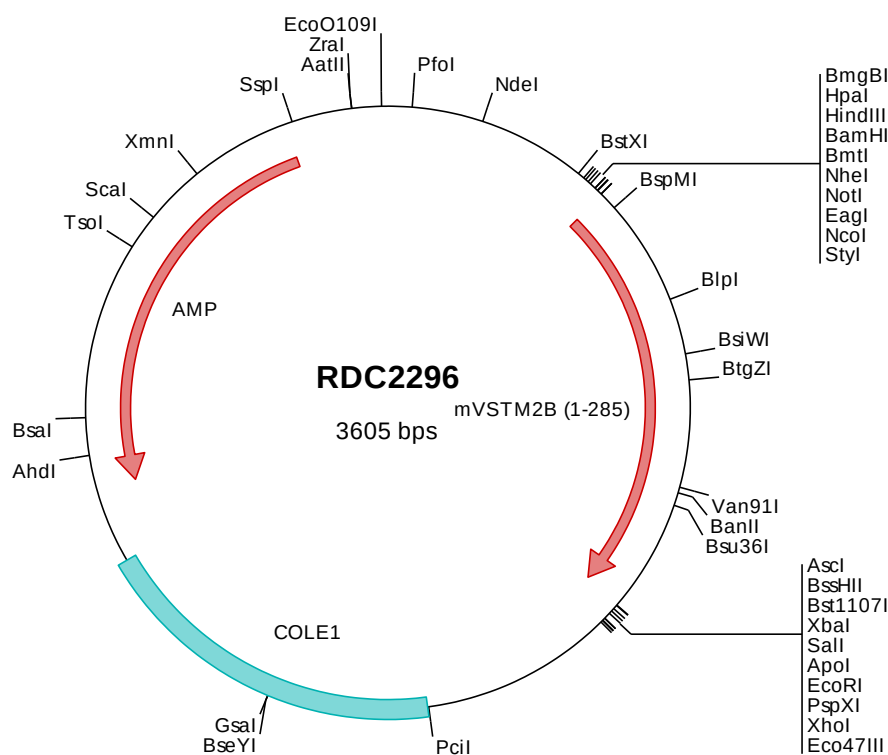
VSTM2B is an uncharacterized member of the Ig superfamily.

### 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. |



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

## > RDC2296 Plasmid DNA Sequence

```

1   tcgcgcgcttt cggatgatgac ggtgaaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg ctttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgatatt
401  ggagacgtgt taacaagctt ggaatccgata tcgctagcgc ggccgcccacc atggaacagc ggaaccgggt cggcgccctc ggatacctgc taacctgtct
501  actgcacagc ctgctgtctct tcgtggccga cgtacatttc accgaagtcc ccaaagatgt aaccgtgcga gagggtagcg atatcgaaat gccttcgcgc
601  ttccggggcca gcgagaccac ctcttactcg ctggagattc agtgggtgga cctcaaggag cctccccggg agctgttaca cgagctggcg ctcagcgtgc
701  cgggcgcgcg gagcaaggta acaataaagg atgcaactaa aatcagcacc gtgcgagtc agggcaatga catctcacac cggcttcggc tgtccgcgt
801  acgattgcag gacgaagggt tttatgaatg tcgcgtttcg gactacagcg atgatgacac tcaggagcac aaggcccagg cattgctgcg tgtgtatcg
901  cgcttcgcgc cgcccaacat gcaagctgca gaggcagtg cccacattca gacgagcggc cgcgctgcgc acggagcttc cagtgtgttc agctccaaca
1001 acgcaggcgc tggctccgag accacctctg aaaccagcca cgtgacaag aacccacctc ctgggagccc tcccgtgga tcaggagttc ctgaggccgc
1101 cgctgcgcgt gcctccgcga cccacacagc caccacaact gctgctgcag ctgctgtctc ttcacagca tcaccacct cagggcaggc tgtctcttg
1201 gcgcagaggg acggctccgg tacoggccca gggtacagtg ccgacctctc gctgtctctg ctcttgttag cactacataa gttctgcac ccactctctg
1301 cgccctaaag gcgcgcgc agt atactctaga gtgcacaccc ggggaattcc tcgagcgctc gtctctagct tggcgtaatc atggtcatag ctgtttctcg
1401  tgtgaaattg ttatccgctc acaattccac acaacatacg agccggaagc ataaagtgtg aagcctgggg tgcctaatag gtgagctaac tcacattaat
1501  tgcggttcgc tcaactcccg ctttccagtc gggaaacctg tcgtgccagc tgcattaatg aatcggccaa cgcgcgggga gaggcggttt cgcgtattggg
1601  cgctcttcgg cttcctcgct cactgactcg ctgcgctcgg tcgttcgctg cggcgagcgc gtatcagctc actcaaaagg ggtaaatcgg ttatccacag
1701  aatcagggga taacgcagga aagaacatgt gagcaaaagg ccagcaaaag gccaggaacc gtaaaaaggc cgcgttgcgt cgcgttttcc ataggctccg
1801  cccccctgac gagcatcaca aaaatcgacg ctcaagtcag aggtggcgaa acccgacagg actataaaga taccaggcgt ttccccctgg aagctccctc
1901  gtgcgctctc tgtgtccgac cctgcgcgtt acggataacc tgtccgcctt tctcccttcg cctcccttcg cgccttatcc ggtaactatc gtccttgagtc
2001  tcagttcggg gtatgtcggt cgcctcaagc tgggctgtgt gcaacgaacc cccgttcagc ccgaccgctg cgccttatcc ggtaactatc gtccttgagtc
2101  caacccggtg agacacgact tatcgccact ggcagcagcc actggttaaca ggattagcag agcgaggtat gtaggcggtg ctacagagtt tgaatgagtg
2201  tgccctaact acggctacac tagaaggaca gtatttggta tctgcgctc gctgaagcca gttaccttcg gaaaaagagt tgtagctctc tgatccggca
2301  aacaaaccac cgctggtagc ggtggttttt ttgtttgcaa gcacgagatt acgcgcagaa aaaaaggatc tcaagaagat cctttgatct tttctacggg
2401  gtctgacgct cagtggaaacg aaaactcacg ttaagggtatt ttggtcatga gattatcaaa aaggatcttc acctagatcc ttttaaatta aaaatgaagt
2501  tttaaatcaa tctaaagtat atatgagtaa acctgtctg acagttacca atgcttaatc agtgaggcac ctatctcagc gatctgtcta tttcgttcat
2601  ccatagttgc ctgactcccc gtcgtgtaga taactacgat acgggagggc ttaccatctg gccccagtc tgcaatgata ccgcgagacc cagctcacc
2701  ggctccagat ttatcagcaa taaaccagcc agccggaagg gccagcgcca gaagtgtctc acaggcatcg tgggtgcacg ctgcgtcttt ggtatggctt
2801  cgggaagcta gagtaagtag ttccgcagtt aatagtttgc aatagtttgc atccccatg ttgtgcaaaa aagcggttag ctccttcggt cctccgatcg ttgtcagaag
2901  cattcagctc cggttcccaa cgtatcaaggc gagttacatg tatggcagca ctgcataatt ctcttactgt catgcatcc gtaagatgct tttctgtgac tggtagtagt
3001  taagttagcc gcagtgttat cactcatggt tatggcagca ctgcataatt ctcttactgt catgcatcc gtaagatgct tttctgtgac tggtagtagt
3101  tcaaccaagt cattctgaga atagtgtatg cggcgaccga gttgctcttg cccggcgctc ataccgggata ataccgcgcc acatagcaga actttaaaag
3201  tgctcatcat tggaaaacgt tcttcggggc gaaaactctc aaggatctta ccgctgttga gatccagttc gatgtaaccc actcgtgcac ccaactgatc
3301  ttcagcatct tttactttca ccagcgtttc tgggtgagca aaaacaggaa ggcaaaaatg cgcaaaaagg ggaataaggg cgacacggaa atgttgaata
3401  ctcatactct tcttttttca atattattga agcatttacc aggggtattg tctcatgagc ggatacatat ttgaatgtat ttagaaaaat aaacaaatag
3501  ggggttcgcg cacttttccc cgaaaaagtc cacttgacgt ctaagaaacc attattatca tgacattaac ctataaaaaat aggcgtatca cgaggccctt
3601  tcgtc

```

## > RDC2296 Translated Insert Sequence

```

1   meqrnlrgal gyllplllhs llfivadatf tevpkdvtrv egddiemcpa frasgatsys leiqwwylke pprellhela lsvpgarskv tnkdatkist
101  vrvqgndish rlrslavrlq degvyecrvs dysdddtqeh kaqallrvls rfappnmqaa eavshiqssg prrhgassav ssnnagaavr ttsetshddk
201  npppgsppag sgvpeaaaaa asathtattt aaaaaaassa spsgqavll rqrhgsrgtgp gysadplls lllalhkflh pllgh

```