

**Specifications:**

|                |                  |
|----------------|------------------|
| Gene:          | mVstm2l          |
| Accession:     | AAH58538         |
| Insert size:   | 676bp            |
| Concentration: | 10µg at 0.2µg/µL |

**mVSTM2L cDNA  
Plasmid**

Vstm2l V-set and  
transmembrane domain  
containing 2-like [ *Mus musculus*  
(house mouse) ]

**Also known as:** Gm691

**Summary:**

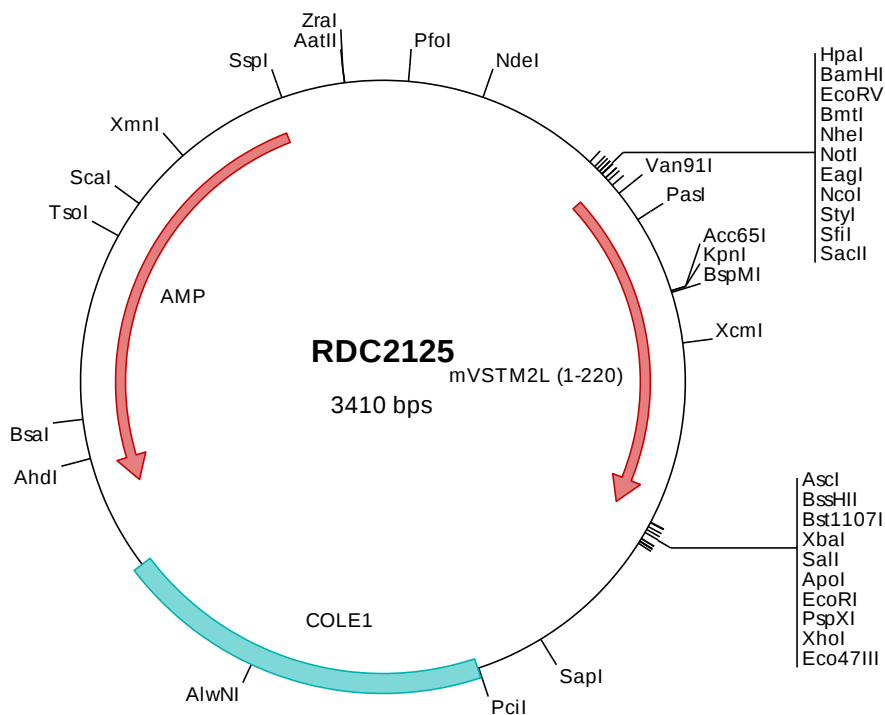
VSTM2L is a secreted protein that is expressed in the CNS and a negative modulator of the neuroprotective activity of Humanin. It may play a role in cell proliferation, inflammation, and neuronal differentiation.

**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. |



## > RDC2125 Plasmid DNA Sequence

```

1   tcgcgcgttt  cggatgatgac  ggtgaaaacc  tctgacacat  gcagctcccc  gagacggtca  cagcttgtct  gtaagcggat  gccgggagca  gacaagcccc
101  tcagggcgcg  tcagcgggtg  ttggcgggtg  tcggggctgg  ctttaactatg  cggcatcaga  gcagattgta  ctgagagtgc  accatatgcg  gtgtgaaata
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401  ggagacgtgt  taacaagctt  ggatccgata  tcgctagcgc  ggccgcacc  atgggggccc  cgtggccgc  ggcgtgggc  gccctccact  acctggcact
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2001  agtgggtggc  taactacggc  tacactagaa  ggacagtatt  tggatatctg  gctctgctga  agccagttac  cttcggaaaa  agagtgtgta  gctcttgatc
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3301  aatagggtgt  ccgcgcacat  ttccccgaaa  agtgccacct  gacgtctaag  aaaccattat  tatcatgaca  ttaacctata  aaaataggcg  tatcagcagg
3401  ccctttcgtc

```

## > RDC2125 Translated Insert Sequence

```

1   mgaplalalg alhylalfliq lggatrpagh apwdnhvsg h alftetphdm tartgedvem acsfrgsgsp sysleiqwyy lrshrdwtdk qtwasnqlka
101  sqqedsgkda tkisvkvvgv snishklrls rvkptdegty ecrvidfsgd grgvprvlcl liplpappra prprgpppe epgrgptllf liilpgtgsg
201  tpreaephqp haggcpaqrq

```