

Product datasheet for **MC207676**

Vstm5 (NM_026955) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vstm5 (NM_026955) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Vstm5
Synonyms:	2200002K05Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC207676 representing NM_026955 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGACCACTGCGGTGCGGGGAGAGGACCCAAGGCATCCCGCTGGGGCTGCTCGCGTTCTGGGTGACTG
CTGCCCGCTGTCTGCAGAGCCAGGGGTGTCACTGTACATTCCACAGTCGGCCATCAACGCCACTGTCCA
ACAAGATATCCTGTTGTCACTGGACTACATCTGCCATGGCGTGCCCACTATTGAGTGGAAGTACTCCT
AACTGGGGTGTGCAGAGGATCGTGGAGTGGAAACCAGGGACCCAGCCAATGTCTCCAAAGCCACAGAG
ACAGAGTCTGCACCTTTGACAATGGCTCCATCCAGCTTTTCAATGTGAGTGTGAAGGATTCTGGCTACTA
CATCGTCACTGTACAGAGCATCCGGGGAGCAGCCAGTCTGGCACCATCTTGCTGCGTGTGTCTGAGATC
CGCTATGAAGACCTCCACTTCGTTGCTGTCTTCTTTGCTCTGCTTGTGCGTGGCTGTGGTGTAAATCA
GCCTCATGTGGGTTTGAATCAGTGTGCGTATAAATCCAAAGGAAGAGGAGGTACAAACTCAAAGAAAG
CACCCTGAGGAGATTGAGATGAAAGAAGTTGAGTGT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_026955
Insert Size:	600 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_026955.2 , NP_081231.1
RefSeq Size:	1988 bp
RefSeq ORF:	600 bp
Locus ID:	69137
UniProt ID:	Q9D806
Cytogenetics:	9 A2
Gene Summary:	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. Involved in the formation of neuronal dendrites and protrusions including dendritic filopodia. In synaptogenesis, regulates synapse formation by altering dendritic spine morphology and actin distribution. Promotes formation of unstable neuronal spines such as thin and branched types. Regulates neuronal morphogenesis and migration during cortical development in the brain.[UniProtKB/Swiss-Prot Function]