

## Product datasheet for **MC214481**

### Vstm4 (NM\_178791) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Vstm4 (NM\_178791) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Vstm4  
**Synonyms:** E130203B14Rik  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC214481 representing NM\_178791  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCGGCTGCGGCTCCTAGCGCTGGCGGCGCCGTGCTGCTGGGTCGGCCCCGGAAGTCTGTGGTGCTC  
 TCAATGTCACGGTGTCCCAGGACCTGTGGTGGACTACTTGAAGGGGAAAATGCCACCCTCTTGCCA  
 CGTCTCCAGAAGAGACGGAAGGACAGCTTGCTGGCCGTGCGCTGTTCTCGCCCTGACGGCTCCCAG  
 GAGGCCTTGATGGTGAAGATGACGAAGCTCCGGATAATTCAGTACTATGGGAACCTCAGCCGGACTGCCA  
 ACCAGCAGAGGCTACGCCTGCTCGAGGAGCGTCGAGGGGTGCTGTACAGGCTGTCTGCTGACGCTCCG  
 GCCACAGATCAAGGGCAGTATGTCTGCAAAGTGAAGAAATCAGCAAGCACCGCAACAAGTGGACAGCC  
 TGGTCCAATGGCTCCTCGGCGACGGAAATGAGAGTGATCTCCCTCAAAGCTGGCGAAGATTATCATTTG  
 AGAAAAAGAAGGTGACTTGGGCATTTTTGAAGATCTCTATGTGTACGCTGTCTTGTGTGCTGCGTGGG  
 GATCCTCAGTGTCTGCTCTTACCCTGGTCATTGCCTGGCAGTCTGTGTTTACAAGAGGAAATCAAGA  
 GTGAGACATTATTTGGTGAAGTGCCTCAGAACAGCTCAGGGGAGACTGTCACCAGTGTGACCAGCTTGG  
 CCCACTGCAGCCACAGAAGGTAAGAGGCAGAAGAAGAAGGTAGATGTTCCACCTGCAGTCCCTGCCAA  
 AGCGCCGATAGCCACCCTTTCCACAAACCAAAGCTGCTGAAACCACAGAGGAAAGTCGCCCTGCCCAAG  
 ATCACCAGAGAAAACCTTGACCTATGCCGAGCTGGAGCTGATCAAACCACACAGGGCTGCCAAAGCGTCC  
 CCACCAGCACCGTGTATGCACAGATCCTCTTCGAGGAGAACCAGCTG**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_178791  
**Insert Size:** 960 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_178791.4</a> , <a href="#">NP_848906.1</a>
<b>RefSeq Size:</b>	2743 bp
<b>RefSeq ORF:</b>	960 bp
<b>Locus ID:</b>	320736
<b>UniProt ID:</b>	<a href="#">T1NXB5</a>
<b>Cytogenetics:</b>	14 B
<b>Gene Summary:</b>	Peptide Lv enhances L-type voltage-gated calcium channel (L-VGCC) currents in retinal photoreceptors.[UniProtKB/Swiss-Prot Function]