

Product datasheet for **MC201901**

Vstm2a (NM_145967) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Vstm2a (NM_145967) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Vstm2a |
| Synonyms: | Vstm2 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | PCMV6-Kan/Neo (PCMV6KN) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF:

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>BC027127 sequence for NM_145967
GACACTTCACGGCGTGGCAACCCGGTCTGTGCCTTGAAGCCTCCGGATCGCAGCCAGCTCGGTCCATCC
CTCACTAGTCGCAATCCCCTGTGTCCAAGCTACTCTTTGTCTATGAGCGGCAGCATGCGTGCAGTATCGCG
CCCCAGGCTCTGAGAGCAGCCTGCGGACACGCTTGCCATCTGTCTTTTTAGGTTTTGGGGCTCTGGGCT
ACACGGATGTGCCCCACTCCCTTGGCATGATGGGGATCTTTTTGGCGTCTGTTGGATTTATGTTCTTTTC
CGTGTATATGTACAACAAGGGCTTTCTTCTCAAGCAAAATTTACCGAGTTGCCGAGAAATGTGACTGCT
ACCGAAGGGCAAAATGTGGAGATGCTGTGCTTTCCAAAGCGGCTCTGCTTCAGTGTACCTGGAGATCC
AGTGGTGGTTCCCTTCGGGGGCCAGAGGACCTGGAGCAAGGCACGGAGGCTGCAGGCTCGCAGGTGGAGCT
CTTACCCGACAGAGACCCGGACAACGATGGGACCAAGATTAGTACAGTAAAAGTCCAAGGCAATGATATC
TCCCACAAGCTTCAGATATCCAAAGTGAGAAAAAGGATGAAGGTTTATACGAGTGCAGGGTGACTGACG
CTAACTACGGGGAGCTTCAGGAACACAAGGCCAGGCCTATCTGAAAGTCAATGCCAACAGCCATGCTCG
GAGGATGCAGGCTTTGAAGCCTCACCTATGTGGCTGCAAGACACGAAGCCTCGAAAGAACGCATCATCG
GTGTTCCAGCAGCGTCCACAACCTCTGCCAACCAACGAATGCACTCCACCTCCAGCCCTCAAGCGGTAG
CCAAAATCCCAAGCAAAGTCCACAATCAGGTGCGAGGATAGCTACAAGCCATGGACTTTCTGTCTGCT
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CTTTCTTAAAGCAAAGAGCAAATCGCCTGTAAAATCTACGGAGCGGACAGCAAAGTTGACCCATACTC
CAAGCACCATTCTGCACCCCTGTACTCTAGTTATCTACACAAGGAGCATCAGCTTCCGGAAGCATAAAGT
AAGACTGTACACGCTTTATTGATAATATTTCTTTGGGAAGTTGCTGATCTTTTATTCAAGAGAAT
TAATGGGAAGAGATAGGACATTTTCCAATTACAAGACCAATTTTTTCTTTTATTTCAACAAAATAAAAC
CTGCATTTCACTGACTGCTCAGGAGTTGGCCTGAATGACATCAGTATACTAAATATTTCCATGGATTCCA
CCAATTTCTAACGAGGGACACCTAATCTTCAAGAAGCAAACAAGATGGAAAACCTAAGAACCACAAAAC
TGCTCATACAGCACCCAGCTGAGGAACAAAACAATAGCTAAATGCTGACCATGGCAAATCAACATCA
GACAACCTTATTTTACATATGGAATAATCAAAGAAAGTTTTTTTTTACTTCTTTTTGCCCCCTGGAAAT
TATCTTGGAGTTTCCCTTTTTTCTTGTATTGCCGTTTTCGTTCAATGGTAGCAAGTGCCAATATGGCCA
ATCCTTGTCAATCCTGGAAGTTTATATTCATATACATTGAGTGTGGTATATCAATGTATTTTAAATTC
ATTTGGCAATTTCTGTATAGGCAAACTGGCAATTTCTGTAATGCTTATAGTATGTGTGATATGACTT
CAAGGTAGATAGGCTATGATGCTCATGCAAGCTGACTTTCTTCTATATACAAAATATTTTCATGAGC
ATATATTAGGCCACCACTTCTTTTCTAAAGAATTTTTTTTCTTTGTACCTCATGATTTTGTGAATT
TTGTAGTATATTTCTCTGTTCCACTAGTTTGACCGCTACAGTTTGTCTCTGTTGCTCTACTTCTTCT
GGAAAAATTTAAATTTGTGTATGCTCTGATAAATGAATTAATTTTGTGTGTATGCTATGTTGGAAT
TTGCTGTGTTCTTTAAACATGATTTTAAAGTTTGGGGATCTTGAGTTGAGTCTGAAGAATGCACAC
CTGGTTTTTGACAGAGTTCCTCATGTTACCAATATTCTATCTCAGAGAAAGAAAGACACCAAGTGGGAAA
ACTAAGAAGACATTTTGACTTCCCAAGATCCTGGAAGAGCACTTCACACTCTGACTAAATATGTTGCTT
TTTTTGTCTTCAAGACTTTTTTGTAGCTTTGTCTTTCTGTTAGTTGCTGCTAATTATATTTTAAATGCT
ACTAATTAATAAAATTAATAATGTGATTGTTGGCTGAATACAATATGCAATGACTGCAAAGCCCATACTGAA
GAAAATAGATGTTAATCTTCACTCAATAATTATAATTTTAAATAGTTTCATCATTATTTTTGACCTTAT
GATATTTGTTAGACCTGTTCTAATTACATCTTTCTCTGGCAAAGAAAGATAGAACAATCAATACATTCC
CTCTTACAGTATGGAATGGTTGTGGCTTAAGAAAGAATGCATCCAGATGGTCTTCCAGAGAGATTATTT
ATTTTCATTATAAAACCAGAAACCATATATGTAGGAATGGTTCAATCCTAATGTAAGGCCATAAAATGTA
GCTTGAAGGCAAGGAATACATTTGTTTTTTATGGTAAAGGACTGGCCTCTGACATGCACTTATAAGCAA
TGTGAATATTTTCATAATATGCTTGACATTCTCCTTTAACAAATATTGTTTTATGGTAAATCTTCTCTTG
CCATTTTCTTCTTTTCAATTTGATTCAATTTTCTTCTAATGAAGAAAATAAAGGTTTAAATATGATACT
TTATTAACATACAAATGATTTTCTTTCTAAGTTAAATATCTGAAAGTTGTATAAAATGATGGTAGAGAA
ATATTACTCATTGCTTTCTTTGAGCTTAAAGAATCCCATACATTGCAGTATATATTAGAATACTGATTT
AACATCAAACGGGGGGGAAAATCATGTATTATACTTTTACTCAATGTCTAGGTAATGAATTCAGCTAAT
TTTACAGCAAGCCAAATGTGTACCCGTATCAGTAATGTTACCATGCTTGAATAAAAGGGTATATGCTA
GTTTTGGAAGAATGCTCATTAGATTCAATGTATCAGTGTCCAAAATAATAAAGACCTGTTTATCAAAAAA AAAAAAAA
    
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Restriction Sites: RsrII-NotI

ACCN: NM_145967

Insert Size: 708 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. |
| RefSeq: | BC027127 , AAH27127 |
| RefSeq Size: | 3229 bp |
| RefSeq ORF: | 708 bp |
| Locus ID: | 211739 |
| UniProt ID: | Q8R0A6 |
| Cytogenetics: | 11 A2 |
| Gene Summary: | <p>Plays a role in the regulation of the early stage of white and brown preadipocyte cell differentiation. Promotes adipogenic commitment of preadipocytes by increasing gene expression of the transcription factor PPARG in a BMP4-dependent signaling pathway. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate splice site in the 3'-terminal exon, which results in a frameshift, compared to variant 1. The encoded isoform (2) has a shorter and distinct N-terminus, compared to isoform 1. CCDS Note: The coding region has been updated to extend the N-terminus to one that is more supported by the available transcript and conservation data.</p> |