

Product datasheet for **MC226586**

Vstm2a (NM_001290539) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vstm2a (NM_001290539) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Vstm2a
Synonyms:	Vstm2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC226586 representing NM_001290539 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGATGGGGATCTTTTTGGCGTCTGTTGGATTTATGTTCTTTCCGTGTTATATGTACAACAAGGGCTTT
CTTCTCAAGCAAATTTACCGAGTTGCCGAGAAATGTGACTGCTACCGAAGGGCAAATGTGGAGATGTC
CTGTGCTTTCAAAGCGGCTCTGCTTCAGTGTACCTGGAGATCCAGTGGTGGTTCCTTCGGGGCCAGAG
GACCTGGAGCAAGGCACGGAGGCTGCAGGCTCGCAGGTGGAGCTTTACCGACAGAGACCCGGACAACG
ATGGGACCAAGATTAGTACAGTAAAGTCCAAGGCAATGATATCTCCACAAGCTTCAGATATCCAAAGT
GAGAAAAAAGGATGAAGGTTTATACGAGTGCAGGGTGACTGACGCTAACTACGGGGAGCTTCAGGAACAC
AAGGCCCAGGCCTATCTGAAAGTCAATGCCAACAGCCATGCTCGGAGGATGCAGGCCTTTGAAGCCTCAC
CTATGTGGCTGCAAGACACGAAGCCTCGAAAGAACGCATCATCGGTGGTTCACAGCAGCGTCCACAATC
TGCCAACCAACGAATGCACTCCACCTCCAGCCCTCAAGCGGTAGCCAAAATCCCCAAGCAAAGTCCACAA
TCAGCAAAGAGCAAATCGCCTGTAAAATCTACGGAGCGGACAGCAAAGTTGACCCATATCTCCAAGCACC
ATTCTGCACCCCTGTACTCTAGTTATCTACACAAGGAGCATCAGCTTCCGGAAGCA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001290539
Insert Size:	759 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001290539.1, NP_001277468.1</u>
RefSeq Size:	3507 bp
RefSeq ORF:	759 bp
Locus ID:	211739
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 (1) encodes the longer isoform (1).</p>