

Product datasheet for **SC334742**

VSTM2A (NM_001301009) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VSTM2A (NM_001301009) Human Untagged Clone
Tag:	Tag Free
Symbol:	VSTM2A
Synonyms:	VSTM2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001301009, the custom clone sequence may differ by one or more nucleotides

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ATGATGGGGATCTTTTTGGTGTATGTTGGATTTGTTTTCTTTCCGTTTTATATGTACAACAAGGGCTTT
CTTCTCAAGCAAAATTTACCGAGTTTCCGCGGAACGTGACGGCGACCGAGGGGCAGAATGTGGAGATGTC
CTGCGCCTTCAGAGCGGCTCCGCCTCGGTGTATCTGGAGATCCAATGGTGGTTCCTGCGGGGGCCGGAG
GACCTGGATCCCGGGGCCGAGGGGGCCGGCGCGCAGGTGGAGCTTTGCCCGACAGAGACCCGGACAGCG
ACGGGACCAAGATCAGCACAGTCAAAGTCCAAGGCAATGACATCTCCACAAGCTTCAGATTTCAAAGT
GAGGAAAAAGGATGAAGGCTTATATGAGTGCAGGGTACTGATGCCAACTACGGGGAGCTTCAGGAACAC
AAGGCCAGGCCATCTGAAAAGTCAATGCCAACAGCCATGCCCGCAGAATGCAGGCCTTCGAAGCCTCGC
CCATGTGGCTGCAGGATATGAAGCCCCGCAAGAAGCTCTCCGCAGCCATCCCAGCAGCATCCATGGCTC
TGCCAACCAACGAACGCACTCCACCTCCAGCCCTCAAGTGGTAGCCAAAATCCCCAAACAAAGTCCACAA
TCAGCAAAGAGCAAAATCGCCTGTAAAATCTACGGAGCGGACAGCAAAGTTGACCCCTAAACTCCAAGCACC
ACCCTGCACCCACTGTACTCTAA
  
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001301009
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).



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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_001301009.1, NP_001287938.1</u>
RefSeq Size:	3000 bp
RefSeq ORF:	723 bp
Locus ID:	222008
Cytogenetics:	7p11.2
Protein Families:	Secreted Protein, Transmembrane
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) differs in the 3' coding region due to the use of an alternate splice site in the 3'-terminal exon, compared to variant 1. The encoded isoform (2) has a longer and distinct C-terminus, compared to isoform 1.</p>