

Product datasheet for **SC107410**

VSTM2A (NM_182546) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VSTM2A (NM_182546) Human Untagged Clone
Tag:	Tag Free
Symbol:	VSTM2A
Synonyms:	VSTM2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_182546, the custom clone sequence may differ by one or more nucleotides

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ATGGCCGCTAAATCAGACGGGAGGCTGAAATGAAGAAAAGCAGCGACGTGGCGTTACCCCGCTGCAGA
ACTCGGACCACTCGGGCTCGGTGCAGGGATTGGCTCCAGGCTTCCGCTCGGGGTCGGGAGCCGAGGACGA
GGAGGCGCCCGGGGCGGCTGCTGCCCGACGGCGGGCTGCTCGCGCTGCTGCTGCTGCGCCGGG
AGTGGCGGCTCCGCGGGCTCGGGCGGCTCCGGCGGCTCGCCGGCCCGGGCGGCGGGGCGGGCTCGG
CTGCGCTGTGCCTGCGCCTGGGACAGGAGCAGCGGCTACTCACTGTGGGACTGCCTCTGGATCTGGC
CGCCGTGGCCGTACTTCGCGGACGTGGGCACAGACGTCTGGCTCGCCGTGGACTACTCTGCGCGG
CAGCGCTGGTGGTTCGGGCTCACGCTCTTCTCGTGGTGTCTGGCTCTGTGCGTGCAAGTGTTCAGT
TCCGCTGGTTTGTGCACGATTTACGACCCGAGGACAGCGCCACGGCCGCTGCTGCCTCCAGCTGCCCGCA
GCCTGGAGCCGATTGCAAGACGGTGGTGGCGGTGGTCTGCAGCCGGGAAGGCGAGGCTCGTCTTCC
ACGCCGAAAGGCAAGCATCTAACGCCAGCAAGAGCAACATCGCCGCGGCAACAGCGGCAGCAACAGCA
GCGGGGCTACCCGGGCCAGTGGCAAGCACAGGTCTGCGTCTGCTCTTTCGATCTGGCTCTGCAGTC
ACTCATCCACATCTTGCAGCTCGGGCAAATCTGGAGATATTTCCACACAATATACTTAGGTATTCGAAGC
CGACAGAGTGGGAGAATGACAGATGGAGTTTTACTGAAAATGGTATATGAGTATGCGGATGTGAGTA
TGCTGCATTTGCTAGCCACCTTTCTGAAAAGTGTCTCACAGCTGGTCTGCGAGCTCTGCATTATCGTACA
GACTCATAGCTTACAGGCCCTCCAAGTTTTCACAGCGGACGTTCCCTCGTGTCCCTGGCCTGGGCTTG
GCCTCTACCAGAAGGCCCTCCGGGACTCTCGAGATGACAAGAAGCCCATCAGCTACATGGCCGTATCA
TCCAGTTCTGCTGGCACTTCTTACCATCGCCGCCAGGGTATCACGTTTGCCTCTTGGCTCGGTTTT
CCAGTGTACTTTGGGATCTTTCATCGTCTTACTGGTGCATCATGACCTTCTGGATCGTCCACTGTGAG
ACAGAATTTGTATCACCAAATGGAAGAGATTGTGTTGACATGGTGGTGGGATTATCTATATCTTCA
GTTGGTTCAATGTCAAGGAAGGACAGCACGCTGCAAGGCTATTCATTTACTATTTTGTGATCCTTTTGA
AAATACAGCCTTGAGTGCCTCTGGTACCTCTACAAGGCTCCCCAGATTGCAGACGATTTGCCATTCCA
GCGCTGTGTGGTGTTCAGCAGCTTTTAACTGGCGTTGTTTTATGCTGATGTATTATGCCTTCTTTC
ATCCCAATGGACCAGATTCCGGCAGTACCAAGTTGTGCTTGTGAGGACCCAGCCGCTGCCTTCACTTT
GCCCCAGACGTGGCCACAAGCACCTACGGTCCATCTCCAACAACCGCAGTGTGTCAGCGACCCGCGAT
CAGAAATTCGAGAGCGGGATGGTGTGTACCTGTCTTCAAGTGAAGCCACTGCCCATCCACCCCAT
CATCTCGCCACCACGGATTGAAGAATCAGTCATTAATAATGACTTGTTCAGGAATAGGTACCCAGCATG
GGAGAGACATGTTTTGGACCGAAGCCTCCGAAAGGCTATTTTAGCTTTTGAATGTTCCCATCTCCTCCA
AGGCTGCAGTACAAAGATGATGCCCTTATTCAGGAGCGGTTGGAGTACGAAACCACCTTTATAA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_182546 unedited

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GTAACACGACTCTACTATAGGCGCCGCAATTCGGCACGAGGATCCCTTCTCCCCACAG
CCAGCCCTCGCCAAGCAAGCAGCAGGATGTTTGCAGTGTGCGGCCAGGGCTCTGAGACT
GAGCCTGCCATCCAATCGCACGCTTTCTTTTCAAGGCTTTTTCGGCTGTTGGCTACTGA
TGTGACCCCTCCCTTTTGAATGATGGGATCTTTTGGTGTATGTTGGATTGTTT
TCTTTTCCGTTTTATATGTACAACAAGGCTTTCTTCAAGCAAAATTTACCGAGTTTC
CGCGGAACGTGACGGCGACCGAGGGCAGAATGTGGAGATGCTCTGCGCCTTCCAGAGCG
GCTCCGCTCGGTGTATCTGGAGATCCAATGGTGGTCTGCGGGGGCCGGAGGACTGG
ATCCCGGGGCGAGGGGGCCGGCGCAGGTGGAGCTTTCGCCGACAGAGACCCGGACA
GCGACGGGACCAAGATCAGCACAGTGAAGTCCAAGGCAATGACATCTCCACAAGCTTC
AGATTTCCAAGTGAAGAAAAGGATGAAGGCTTATATGAGTGCAGGGTACTGATGCCA
ACTACGGNGAGCTTCAAGAACACAAGGCCAGGCTATCTGAAAGTCAATGCCAACAGCC
ATGCCCGCAGAATGCAGGCTTTCGAAGCCTCGCCCATGTGGCTGCAGGATATGAAGCCCC
GCAAGAACGTCTCCGACGCCATCCNACAGCAGCATCCATGGGCTCTGCCAACCAACGAACG
CACTNCACCTNACGCCCTNAGTGGTAGCCAAAATCCCCAACAAAGTCCCACATCANGT
ATGGAAACCCATTTGAGCCTTTNATTNTACCCTCACAAACGCTCACAGAAAGGCCAGT
CGTATAGAGTAAAC
    
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Restriction Sites:	NotI-NotI
ACCN:	NM_182546
Insert Size:	4000 bp
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:	NM_182546.1 , NP_872352.1
RefSeq Size:	3289 bp
RefSeq ORF:	732 bp
Locus ID:	222008
UniProt ID:	Q8TAG5
Cytogenetics:	7p11.2
Protein Families:	Secreted Protein, Transmembrane
Gene Summary:	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] Transcript Variant: This variant (1) encodes the shortest isoform (1).