

Product datasheet for **SC111716**

VAMP4 (NM_003762) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VAMP4 (NM_003762) Human Untagged Clone
Tag:	Tag Free
Symbol:	VAMP4
Synonyms:	VAMP-4; VAMP24
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_003762 edited
GAATTCGGCACGAGGCGGCTTCCCTACTCCTTCCCCGCCCCAGCACCGCCAGCCGG
GAGAGCTGCCGGGAGTCCCCGGGAGCCTCAGGTGGTGACTATCCTGTTGAGAAGCAAAA
GATACTTTGCAAGTAAAAAATATGCCTCCCAAGTTAAGCGCCACCTCAATGATGATGAT
GTCACAGGTTCTGTGAAAAGTAAAAGGAGAAATCTTTTGGAAAGATGATTCAGATGAAGAA
GAGGACTTTTTCTAAGGGGACCATCTGGACCAAGATTTGGACCTAGAAAATGATAAAAT
AAGCATGTTCCAGAATCAAGTGGATGAAGTTATTGATGTCATGCAAGAAAATATTACAAAG
GTAATTGAGAGAGGGGAGAGACTAGATGAACTACAGGACAAATCAGAAAAGCTTATCGGAT
AATGCAACAGCTTTTAGCAACAGATCCAAACAACCTTCAAGGCAAAATGTGGTGGCGTGGA
TGCAAAAATAAAAGCCATCATGGCTTTGGTTGCTGCTATCCTTTTGTAGTGATTATCATT
CTTATAGTCATGAAATACCGTACTTGATTTGATGACAGAGATCTTCATTAACAAGATCT
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TCCAATTATCTTCCCTTTCTAACAAAATGTTCTTTTAAATAATTATGTTTAAGGCAAAG
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AAGGACTTGCAATTATTGCATTAGGGAGCGGGTCATGCTGGGGGTCAGGAAGCCTGTGTAG
AGTACCAAATTATATGCTGAAAGAGATGCATAACCATTCTGTCAATATTTGCAGAAATAT
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GCTAAATGTTGTAAGAGAAATGTGTAGTAATTTTTTTGGCATTGGATTATGGAAATGGAAA
TTTTTAAACAGTGTGAAAAAACATGGTATGGCATCATAAACTGGAGATAATAAAGTTAT
TGAAGAGTGTCAATTGGAGTATTTGAAAAAGACCAATATATAGCTGCCAGTCATGGTCCAG
TCTGTTTTCTGTAAACTCCAATAAAGAGAGACCAGTCAGTCCTAATGTGAGTAAATGAA
ATTTACAGGTAACCTACTTACTCCTTAATTTTTATTTTAGTTAATAGCCTCTAACTCCAA
CTATCTCATTTACCAAAAGTACAAAAAGTAGCAAAACCATCTATTAATACTTTGAATTTT
ATATCTTTGCATTTCTGTTTCATCCTTGAGGAGATGTATGTTGCACAATCAAATTTGCA
TCAGCCAACAGTAATGAGTAGTAGAAAAGTCAGGAACCTAGGTGTATATATATATATAT
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ACACATATGATAATCAGTCAGTCGGTAACCAAATGCTAGAGAGTGACCATTAACCTAAGC
CTGTTTTTXXXXXXXXXXXXXXXXXXXXTTTGAATTTTCAGTAGCTAATAATTCAGGA
ATGGAAATATTTAACTGAATGGACAGAAATCAGTCCTAACATTTGTATGTATGTCCTTTA
TTTGAATTGGAACCTAGGCTCATAAGTGGTTAATTTTCCATTAGTTGATGTAGAAATCTGG
TTTCTCCATAATATCTACAAGTGAAGATGAAGATTACTTCTCAAAAAGTATCCATATTTT
CAGTGTTCCTTTTAAATAAATATGCCACTTTTAAATAAATAATTACAAAATGTAATAATTA
TAAATTTTTAAATTTAAATAAATAAGTAACAGTAAAATTTTTTGACAATATATATGTCAC
TGTCTTTGTAATTTAAACATATTGCTGCCTGGGATATGGGTAACAGAATTATCACTCATG
GAACTTTGTAGTAGTGATGGCTTGGTTTGAATTCATCATTTTCATCTTTCTTGGTCTTGA
TTAATCCTGAAATCCTTAAATGGCTGGCATGGTTATGACTTTATTGTGGTAACCTTGGGA
GATATAAGCCCTTACGATCAAAAACAGAGAAAAAATATATTGTTCAAACCTGAAAAA
AAAAAAAAAAAAAACTCGAC
    
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_003762 unedited NAACGCCTCATTTGGATACGACTTCTATAGGCGGCCGACGAATTCGCACGAGGCGGCTTC CTACTCCTTCCCCGCCGCCATCACCGCCAGCCGGGAGAGCTGCCGGGAGTTCCCCG GGAGCCTCAGGTGGTACTATCCTGTTGAGAAGCAAAAGATACTTTGCAAGTAAAAATA TGCCTCCCAAGTTAAGCGCCACCTCAATGATGATGATGTCACAGGTTCTGTGAAAAGTG AAAGGAGAAATCTTTTGAAGATGATTCAGATGAAGAAGAGGACTTTTTTCTAAGGGGAC CATCTGGACCAAGATTTGGACCTAGAAATGATAAAATTAAGCATGTTTCAGAAATCAAGTGG ATGAAGTTATTGATGTCATGCAAGAAAATATTACAAAGTAATTGAGAGAGGGGAGAGAC TAGATGAACTACAGGACAAATCAGAAAAGCTTATCGGATAATGCAACAGCTTTTAGCAACA GATCCAAACAACCTCGAAGGCAATGTGGTGGCGTGGATGCAAAAATAAAGCCATCATGG CTTTGGTTGCTGCTATCCTTTTGTAGTGATTATCATTCTTATAGTCATGAAATACCGTA CTTGATTTGATGACAGAGATCTTCATTAACAAGATCTGGGACAGTAATAAAAGATTGCT GCATAATTTAAATGAAACCTATGTGTATATAACTTTCAAACCTCTTTTTCAAGAACTA AGAGGCAAGTACTTCAAATGGAACGTTGAGAATGTCCAATTATCTTCTCCCTTTCT AACANAATGTTCTTTTAATAATTATGTTAAGGCANAGAACTAGCCTCTATTTTTCCAT ATTTTCAGNNATCTATTNNGAAGTAGATACTTGCCAGTTCATTATTTGTGTATTAACAC TGGATATATATTTTCATATTAATATTTAA
Restriction Sites:	NotI-NotI
ACCN:	NM_003762
Insert Size:	3000 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_003762.2 , NP_003753.2
RefSeq Size:	1254 bp
RefSeq ORF:	426 bp
Locus ID:	8674
UniProt ID:	O75379
Cytogenetics:	1q24.3
Domains:	synaptobrevin
Protein Families:	Transmembrane

Protein Pathways: SNARE interactions in vesicular transport

Gene Summary: Synaptobrevins/VAMPs, syntaxins, and the 25-kD synaptosomal-associated protein SNAP25 are the main components of a protein complex involved in the docking and/or fusion of synaptic vesicles with the presynaptic membrane. The protein encoded by this gene is a member of the vesicle-associated membrane protein (VAMP)/synaptobrevin family. This protein may play a role in trans-Golgi network-to-endosome transport. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.