

Product datasheet for **SC117174**

VAMP3 (NM_004781) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VAMP3 (NM_004781) Human Untagged Clone
Tag:	Tag Free
Symbol:	VAMP3
Synonyms:	CEB
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_004781 edited
 GAATTCGGAACGAGGTCCCAACTTCGCTTCTCTGCTGACCCTCTCTCGTCGCGCGCTGCCG
 CCGCCGCGAGCTGCCAAAATGTCTACAGGTCCAAGTCTGCTGCCACTGGCAGTAATCGAAGAC
 TTCAGCAGACACAAAATCAAGTAGATGAGGTGGTGGACATAATGCGAGTTAACGTGGACA
 AGGTTCTGGAAAGAGACCAGAAGCTCTCTGAGTTAGACGACCGTGCAGACGCACTGCAGG
 CAGGCGCTTCTCAATTTGAAACGAGCGCAGCCAAGTTGAAGAGGAAATATTGGTGAAGA
 ATTGCAAGATGTGGCAATCGGGATTACTGTTCTGGTTATCTTCATCATCATCATCATCG
 TGTGGGTTGTCTTTCATGAAGAACCAGCGGAACCTCAAAACTGCTGTTCAAGAAAACCTCT
 TCAAGACTTTTGACTTAGAACCTGCTATATTATCAAGCTTACCTACTGTTATCTCTAAAA
 TTTTTTTTGTGTTAATGTAAAGTTGAATTTCTAGGAAACGTGCCTTTGTTTTTAAATATG
 CACTCCAAATTAGAAGGCCGCCCCGTCACATTTTGCACAGTGCCTTTACAGATTTACG
 TATGGGCTGATGAAGAGGCTTCTTAAGTTCCAGAGTGTATAATCTAGATGTAATGTTG
 TCACTAATTAATTGCCATTACTCCCAGTTAGTTACCCTTGTCAATTTGGCATTATTTTCAG
 AACCACATTTTAAACCTTTGGGTAAATCAGATTTCCAATTATGCCTTCCAGAAAAAACA
 CTACTGCCTAACCAAACTGTGTATAACAACAGGCTGTGCCTTATTTTGATAATTTTCTG
 ATTCCTAGAAGAGAACCCTCTACTTTTTGTAAGCACTACTGACTCTCGCTGTATTTAAG
 ATGCTGGTGAAGAGCTTTTGTCTTGCATTAGATTTGAAGATGTTTACATTTGTTGTTATT
 GTTATGTATCACTTGCTAAAAATATTGTTTTAATCAGAGATAACCTCTTTAAAAAATTT
 TAAAGAAGACTATGGCTATGACCAAAGCTTCTATTTTGCXXXXXXXXXXXXXXXXXXXXX
 XX
 TGATATCATCACTGCAGACAATGCTGTGATGGGAAATGCTGGAAGCAGAACTTTGTC
 ATCGGAAAAAATTTTCTGTATGCATGAGACTCAACATCAGGATCCACAGCTTAAAGATG
 GGAATTCAGGTATGAAAGAAAACAGGCAAGGAGGCACTGAGGGAGAAAGACACAGACTTT
 ATCGCTCTGTGGCTCATTGTTACTGGAATATTCTAAAACCTTTGTTACATGCTATTATG
 ACTTATAAAGCAGCAACAGCTGAGGCGCACAGGACACAGCTTCCATTTCTTTAACGTCT
 GTTCCCTTAACATCGCTGAAATGATTTACTGTTGAAGAGATGCCTTGCAGTGTGGCCAGC
 TGTGAGGAGAAAGCAGCTGGCAGTGTAGGACATTAGTCCACCTTCCAGCGCAGGGTCTCT
 GGCCGGGCTGACTCAGAAACCTTGGTACTCGCCCTTGGCCACAGTCCCAGACCCATG
 TAACCCACTGGCTCCTGCATTAACCCAGAAATACCTCGCTTCTATCTGTGCCTTAGCTG
 GGAACCTACCCACTGTAATCACCTAAATAAAGTGTATTAACATAAAAAAAAAAAAAAAAAA
 AAAAAACTCGAC

5' Read Nucleotide Sequence: >OriGene 5' read for NM_004781 unedited
 GGTCAACATTTGTATACGACTCACTATAGGCGGCCGGAATTCGNAACGAGTCCCAACTT
 CGCTTCTCTGCTGACCCTCTCTCGTCGCGCGTCCCGCCGCGCAGCTGCCAAAATGTCTA
 CAGGTCCAAGTCTGCCACTGGCAGTAATCGAAGACTTCAGCAGACACAAAATCAAGTAG
 ATGAGGTGGTGGACATAATGCGAGTTAACGTGGACAAGTTCTGGAAAGAGACCAGAAGC
 TCTCTGAGTTAGACGACCGTGCAGACGCACTGCAGGCGAGCGCTTCTCAATTTGAAACGA
 GCGCAGCCAAGTTGAAGAGGAAATATTGGTGAAGAATTGCAAGATGTGGCAATCGGGA
 TTAAGTGTCTGGTTATCTTCATCATCATCATCATCGTGTGGGTTGTCTTTCATGAAGAA
 CCAGCGGAACTCAAACTGCTGTTCAAGAAACCTTCAAGACTTTTGACTTAGAACCTG
 CTATATTATCAAGCTTACCTACTGTTATCTCTAAAATTTTTTTTGTGTTAATGTAAAGTT
 GAATTTCTAGGAAACGTGCCTTTGTTTTTAAATATGCACTCCAAATTAGAAGGCCGCCC
 CGTCCACATNTTGCACAGTGCCTTTACAGATTTACGTATGGGCTGATGAAGAGGCCCTTC
 TTAAGTCCAGAGTGCTATAATCCTAGATGTAATGTTGCTACTAATTAATTGCCATTA
 CCCAGTTAGTTACCCTTGTCAATTTGGCATATTTTCAAACCACATTTTTAACCTTTTGGG
 TAATCAGAATTCAACTTATGCCTTCAAAAAAAAAACCTACTGCCTAACCAAACTCTGGG
 ATAACACCAGCTGTGCCTTATTTGATAATTTTCTGATCCCTAGAGAGACCCTCTACTTT
 TGAACACTATGA

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_004781 unedited GCTATGGACCGCGGCCGCATTCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTATGTTT ATAAACTTTATTTAGGTGATTACAGTGGTAAGTCCCAGCTAAGTGCACAGATAGAA GCGAGGTATTTCTGGGTTAATGCAGGAGCCAGTGGGTTACATGGGTCTGGGCACTGTGGC CAAGGGGCGAGTACCAAGTTTCTGAGTCAGACCCGCCAGAGACCCTGCGCTGAAGGTG GACTAATGTCCTAACACTGCCAGCTGCTTCTCCTCACAGCTGGCCACACCGCAAGGCAT CTCTTCAACAGTAAATCATTTTCAGCGATGTTAAGGGAACAGACGTTAAAGAAATGGAAGC TGTGCTCCTGGTGCCTCAGCTGTTGCTGCTTTATAAGTCATAATAGCATGTGAACAAGA GTTTTAGAAATATTCCAGTAAACAATGAGCCACAGAGCGATAAAGTCTGTGCTTTCTCCCT CAGTGCCTCCTTGCTGTTTTCTTTACACCTGAATTCCCATCTTTAAGCTGTGGATCCT GATGTTGAGTCTCATGCATACAAGAAAAGTTTTCCGATGACAAAGTTTCTGCTTCCAGC ATTCCCATCAACAGCATTGTCTGCAGTTGATGATATCAAAGCAAAGGTCTCTGGTTGGCT ACTCTCTGTGAAAAGAGCCATTCACCCCTGACCAATGCCTAATTGCAGGCATAATTTAGA AAACTGATTTAGGAAGCAGAATGTGAATACAAATAGGAAACAACTCCAAAGTTATAGCT TATCTTCATATTTGGGCCAGATAATGATCAAGTTCACAGGTGGTCTTACTTGANGCTAC AGAANTGTTGCTTGCCATATATCAGAAACATGCTGNAGTCCCAGCTGATATCTGCCACTG CTGGGTAACCTTTTATGAGACGTCAGAGCTACTAAACCTTCTAACCCAGCA
Restriction Sites:	NotI-NotI
ACCN:	NM_004781
Insert Size:	2260 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:	<u>NM_004781.3</u> , <u>NP_004772.1</u>
RefSeq Size:	2225 bp
RefSeq ORF:	303 bp
Locus ID:	9341
UniProt ID:	<u>Q15836</u>
Cytogenetics:	1p36.23
Domains:	synaptobrevin
Protein Families:	Transmembrane

Protein Pathways: SNARE interactions in vesicular transport

Gene Summary: Synaptobrevins/VAMPs, syntaxins, and the 25-kD synaptosomal-associated protein are the main components of a protein complex involved in the docking and/or fusion of synaptic vesicles with the presynaptic membrane. This gene is a member of the vesicle-associated membrane protein (VAMP)/synaptobrevin family. Because of its high homology to other known VAMPs, its broad tissue distribution, and its subcellular localization, the protein encoded by this gene was shown to be the human equivalent of the rodent cellubrevin. In platelets the protein resides on a compartment that is not mobilized to the plasma membrane on calcium or thrombin stimulation. [provided by RefSeq, Jul 2008]