

## Product datasheet for **SC127642**

### VAMP1 (NM\_199245) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	VAMP1 (NM_199245) Human Untagged Clone
Tag:	Tag Free
Symbol:	VAMP1
Synonyms:	CMS25; SPAX1; SYB1; VAMP-1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127642 sequence for NM_199245 edited (data generated by NextGen Sequencing) ATGTCTGCTCCAGCTCAGCCACCTGCTGAAGGGACAGAAGGGACTGCCCCAGGTGGGGT CCCCCTGGCCCTCCTCCTAACATGACCAGTAACAGACGACTACAGCAAACCCAGGCACAA GTGGAGGAGGTGGTGGACATCATACGTGTGAACGTGGACAAGGTCTGGAGAGGGACCAG AAGCTGTCAGAGCTGGATGACCGAGCTGATGCCTTGCAGGCAGGAGCATCACAATTTGAG AGCAGTGCTGCAAAGCTAAAGAGGAAGTATTGGTGGAAAACTGCAAGATGATGATCATG CTGGGAGCCATCTGTGCCATCATCGTGGTAGTTATTGTAAGTAAGTATCGCTGA  Clone variation with respect to NM_199245.1 252 c=>a



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_199245 unedited  
 NTTGTCAAATTTGTATACGACTCACTATAGGCGGCCGCGATTCCGGCACGAGGCACTGAA  
 GGATCCTCACAGCAACCGCTCCTTTCCGGAGTCGGATGAGAGGAGAGTTGTGACTGGCAA  
 TTGGCAGGGGCGGGGCGGGCTAGGCCTGTAGCGCTGGGCGACCGTCTGGGCATGGATTG  
 GGCCGCGGGGTTGTCACCGTTATCCGGGAGGCGTGGTCAGCACTAATAAAGGCGGAGGCC  
 GGCGCGGCAGCTGCAGTAAGTTCACGCGCAGCTAGACCGCGGGGTAGTCGGCGCGAGGCC  
 GAGCTTGGCAGTCCGTCCACTTCAGCCGACGCTCCCTCGCCGGGTGTCTCGCCGCAGC  
 CTCCGGAGAGGAACAGACCCCTCACTCTCTGTGACAGAAAATGTCTGCTCCAGCTCAGCC  
 ACCTGCTGAAGGGACAGAAGGGACTGCCCCAGGTGGGGTCCCCCTGGCCCTCCTCTAA  
 CATGACCAGTAACAGACGACTACAGCAAACCCAGGCACAAGTGGAGGAGGTGGTGGACAT  
 CATACGTGTGAACGTGGACAAGGTCTGGAGAGGGACCAGAAGCTGTCAGAGCTGGATGA  
 CCGAGCTGATGCCTTGCAGGCAGGAGCATCACAATTTGAGAGCAGTGTGCAAAGCTAAA  
 GAGGAAGTATTGGTGGAAAACTGCAAGATGATGATCATGCTGGGAGCCATCTGTGCCTC  
 ATCGTGGTAGTTATTGTAAGTAAGTATCGCTGAAGTTGCTGGTGGNGTAAAAGTGGGGAA  
 AAGGTCCTGAAGTCTTCTCCCTGCCTGCCTGCCTGCTGGNGGGAAGTGGGGGCTGCTCT  
 GNACTGAGTATGGAGACCGTGTATGGGACGNACCTGTTNNNGGACCGGGGGAAGGCA  
 NAACAAGGGATTCTTTT

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_199245 unedited  
 GGACGCGGCCGCAATCTAGTGTGCGAGTTTTTTTTTTTTTTTTTTTTTAAATGGTAGGAATTT  
 GTATTTTTTGCCTTTGTTTCAGATACATGACATTGGTAAATATGCCACATGCCTTTGGTGG  
 AAGTACAAGTGTGTTATTACTCTATAACAAGTATGAGATCAGGGTTAGGAAAAAAGACA  
 AAGAGGTGATGACAGACACACAGTGGAAACCCACATCGTCTCATGGCAAACCGAAGAAC  
 GGGATGTGGGAAGCTCAGCTTCATTTGACTGCAAAGTCCAGGGTTTTGTGCACATTTG  
 CTCATGCACATGGTGGTGGGAGGAAAGGGGATAGCAAAGACACACAGAAGAGGGTACA  
 GGGTGGGTGAGAAAGAAAGTAGAAGGGCTAATACCCCAAAGAACAAGGCCAACTACACC  
 TGGTGAGCCTCAGAGGGACAGAAACCCAGGAATGATTCCTGTGATAGGGCTGGGAGAGCC  
 AAGAGGACGGATTTCGCTCCAGGCTTGGGACACATCGAGGACAGTGGTGGTCTTCTCCAG  
 CGGTGACCCCTGCATTAGGCAAGGAGGAGCCAGAGGAGAGTGGAGACCTTCGAGGGGG  
 GCCGTTGGGAGGGTACTGACTGCTTTCTCCAGCTCTTCAGTCCCGCCCTTGGGCAGGAC  
 GAAGGGAAATGTGGAAACAAGGGCGAAGGGAAGGAATGGATGGTTTTGAGCAATGAAAT  
 GCTGCTGCATGGAAAGTGGGCATCCAGACCCCTGCCAGCATGGCCTCAGCCTCTTTCTGT  
 TCGTGGACCGAGGGGAAGATGGATTAAAGGGCCATGGGCATTCTNCGCTCTGCTCCAGNC  
 TGCCCTTCTCCCTGCACCTGGGCTATCNACATAATAGCCATNCTGAGCTCACAATGCC  
 CCGAGATAGCTGAGCAGTCCATTCTCAGGTTCACTGTCTTACCACATCTGCNAAGGGGG  
 ATAAAGGGGCAAGTNAATCAACGGAAAGGGGTCAAGGGAAT

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_199245

**Insert Size:**

3420 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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_199245.1</a> , <a href="#">NP_954740.1</a>
<b>RefSeq Size:</b>	3151 bp
<b>RefSeq ORF:</b>	354 bp
<b>Locus ID:</b>	6843
<b>UniProt ID:</b>	<a href="#">P23763</a>
<b>Cytogenetics:</b>	12p13.31
<b>Protein Families:</b>	Secreted Protein, Transmembrane
<b>Protein Pathways:</b>	SNARE interactions in vesicular transport
<b>Gene Summary:</b>	<p>Synaptobrevins, syntaxins, and the 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. Mutations in this gene are associated with autosomal dominant spastic ataxia 1. Multiple alternative splice variants have been described, but the full-length nature of some variants has not been defined. [provided by RefSeq, Jul 2014]</p> <p>Transcript Variant: This variant (2), also known as VAMP-1D, has a different 3' structure, resulting in a novel 3' coding region and 3' UTR compared to variant 1. The encoded isoform (2) has a distinct C-terminus and is shorter than isoform 1.</p>