

Product datasheet for **SC333624**

VAMP1 (NM_001297438) Human Untagged Clone

Product data:

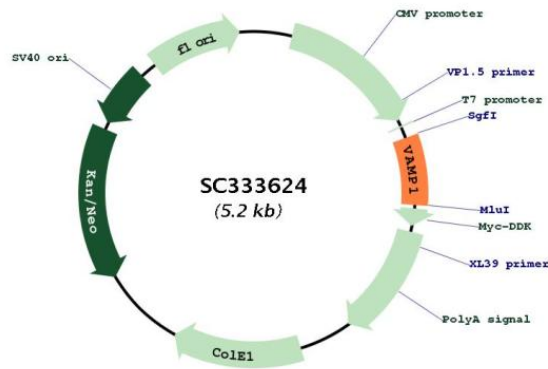
Product Type:	Expression Plasmids
Product Name:	VAMP1 (NM_001297438) Human Untagged Clone
Tag:	Tag Free
Symbol:	VAMP1
Synonyms:	CMS25; SPAX1; SYB1; VAMP-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC333624 representing NM_001297438. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCTGCTCCAGCTCAGCCACCTGCTGAAGGGACAGAAGGGACTGCCCCAGGTGGGGTCCCCCTGGC
CCTCCTCCTAACATGACCAGTAACAGACGACTACAGCAAACCCAGGCACAAGTGGAGGAGGTGGTGGAC
ATCATACGTGTGAACGTGGACAAGGTCCTGGAGAGGGACCAGAAGCTGTCAGAGCTGGATGACCGAGCT
GATGCCTTGCAGGCAGGAGCATCACAATTTGAGAGCAGTGTGCCAAGCTAAAGAGGAAGTATTGGTGG
AAAACTGCAAGATGATGATCATGCTGGGAGCCATCTGTGCCATCATCGGTAGTTATTGTAAGAAGA
GGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001297438

Insert Size: 351 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:

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_001297438.1](#)

RefSeq Size:	1453 bp
RefSeq ORF:	351 bp
Locus ID:	6843
UniProt ID:	P23763
Cytogenetics:	12p13.31
Protein Families:	Secreted Protein, Transmembrane
Protein Pathways:	SNARE interactions in vesicular transport
MW:	12.6 kDa
Gene Summary:	<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 (4) contains an alternate 3' terminal exon, resulting in a novel 3' coding region and 3' UTR compared to variant 1. The encoded isoform (4) has a distinct C-terminus and is shorter than isoform 1. Isoforms 3 and 4 are the same length but differ in their C-termini.</p>