

## Product datasheet for **MC226116**

### Vamp7 (NM\_001302138) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Vamp7 (NM_001302138) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Vamp7
Synonyms:	Sybl1; TI-VAMP; VAMP-7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC226116 representing NM_001302138 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTTGGTGTGGAGGAACTTCCTGGAGTTATTTGTTTCATTACATCTGCCAAGACAGGATTGTGTATC  
TTTGTATCACTGATGATGATTTTTGAGCGTTCTCGAGCGTTCAGTTTTTTGAATGAAGTAAGAAGAGATT  
CCAGACAACCTACGGTTCAAGAGCACAACTGCACTTCCTTATGCTATGAATAGCGAGTTTTCAAGTGTT  
TTGGCTGCACAACCTGAAGCATCACTCTGAGAATAAGAGCCTAGACAAAGTGATGGAGACTCAAGCACAAG  
TGGATGAACTGAAAGGAATAATGGTCAGAAACATAGATTTAGTTGCTCAACGTGGAGAAAGTTGGAATT  
GCTGATAGATAAAACAGAAAACCTTGTGGATTCATCTGTCACTTTCAAACCTACCAGCAGAAATCTTGCT  
CGAGCCATGTGTATGAAGAATATCAAGCTCACTATCATCATCATTGTATCAATTGTGTTTCATCTATA  
TCATTGTGTCACCTCTCTGTGGTGGTTTACATGGCCAACTGTGTGAAGAA**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001302138
Insert Size:	546 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).



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<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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>	<u><a href="#">NM_001302138.1</a></u> , <u><a href="#">NP_001289067.1</a></u>
<b>RefSeq Size:</b>	2530 bp
<b>RefSeq ORF:</b>	546 bp
<b>Locus ID:</b>	20955
<b>UniProt ID:</b>	<u><a href="#">P70280</a></u>
<b>Cytogenetics:</b>	X
<b>Gene Summary:</b>	<p>Involved in the targeting and/or fusion of transport vesicles to their target membrane during transport of proteins from the early endosome to the lysosome. Required for heterotypic fusion of late endosomes with lysosomes and homotypic lysosomal fusion. Required for calcium regulated lysosomal exocytosis. Involved in the export of chylomicrons from the endoplasmic reticulum to the cis Golgi. Required for exocytosis of mediators during eosinophil and neutrophil degranulation, and target cell killing by natural killer cells. Required for focal exocytosis of late endocytic vesicles during phagosome formation.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate splice site in the 5' coding region, and initiates translation at a downstream start codon, compared to variant 1. The resulting isoform (2) has a shorter and distinct N-terminus, compared to isoform 1.</p>