

Product datasheet for MC200514

Vamp7 (NM_011515) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Vamp7 (NM_011515) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Vamp7 |
| Synonyms: | Sybl1; TI-VAMP; VAMP-7 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | PCMV6-Kan/Neo (PCMV6KN) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >BC003764 sequence for NM_011515 TTCAACTCTTGTTCAGGCAGTGGGCGACCCTAGGAGGACCTTCGCCCTCAGTCAATAGCTGGAGTGCC CGCCAGACGGTACTCGGTGAGTGAAGTCATGGCCATTCTTTTGTCTGTTGTTGCCAGGGGAACCACTA TCCTTGCCAAACATGCTTGGTGTGGAGGAACTTCCTGGAGGTGACAGAGCAGATTCTGGCTAAGATACC TTCTGAAAATAATAAACTAACTACTCACATGGCAATTATTTGTTTCATTACATCTGCCAAGACAGGATT GTGTATCTTTGTATCACTGATGATGATTTTGAGCGTTCTCGAGCGTTCAGTTTTTTGAATGAAGTAAAGA AGAGATTCAGACAACCTACGGTTCAAGAGCACAACTGCACTTCCTTATGCTATGAATAGCGAGTTTTTC AAGTGTTTTGGCTGCACAACCTGAAGCATCACTCTGAGAATAAGAGCCTAGACAAAGTGATGGAGACTCAA GCACAAGTGGATGAAGTAAAGGAATAATGGTCAGAAACATAGATTTAGTTGCTCAACGTGGAGAAAGGT TGAATGCTGATAGATAAAACAGAAAACCTTGTGGATTCATCTGTCACCTTCAAACCTACCAGCAGAAA TCTTGCTCGAGCCATGTGTATGAAGAATATCAAGCTCACTATCATCATCATCATTGTATCAATTGTGTTT ATCTATATCATTGTGTCACCTTCTCTGTGGTGGGTTTACATGGCCAACTGTGTGAAGAAATAGAAAGAA AAAAGTTACCATTAAGGATATGAGAGTGAAGGAGATAAAGGAAATTCATGTGACTATGTCTTTTCT ACTACTCTCAGAAAATGCCAGTTTCTTTAATCTTTTTTTTCTCTTTTTCTTGTTTAATCTTTGGCCTGT CATATAGTTTGTGTTAATTAATTTACATTGAATCATTATTACATGAGAAAGGGCATTATTTGTTTCT TTAGTTAAGTAGTACCTTCTACTTAGGAAGACATTTTGTCTTAATATACAAAGCCTTTGCCAAGGTG GAAACCACCAAACCTATGACCTGTCTGTTAAAACCTGTCTAGGAACCTTTGTATGTTACACAAAGTGCTAG GAAATGGATTGTATTATAACATCTCATTTTAGTCTCTTTTGTATGGGAGAATTTAGGTGCTTCAAAA TAATAAATAGAGAATTTGAGAATTGTAATAATTGTTAGTGCTGCTTATATCCAGGAGCCCATACAAGTA ATGTAGTTAACATTGAAATTTTGTTCATATGGTGGGAAACATTTTGTAAACCCATTAGAAGCACAAAGA ATTATCTTTCTTCTCCAAAATTTACTTTCTGAAATAAAGTTTCAGTATATTATTATTACTACTGCAAA AAAAAAAAAA |
| Restriction Sites: | RsrII-NotI |
| ACCN: | NM_011515 |
| Insert Size: | 663 bp |



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| 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: | BC003764 , AAH03764 |
| RefSeq Size: | 1412 bp |
| RefSeq ORF: | 663 bp |
| Locus ID: | 20955 |
| UniProt ID: | P70280 |
| Cytogenetics: | X |
| Gene Summary: | <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 (1) represents the longer transcript and encodes the longer isoform (1).</p> |