

Product datasheet for **MC209628**

Vamp2 (NM_009497) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Vamp2 (NM_009497) Mouse Untagged Clone
Tag: Tag Free
Symbol: Vamp2
Synonyms: Syb-2; Syb2; sybII; Vamp-2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC209628 representing NM_009497
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGGTACCGCTGCCACCGTCCCGCCTGCCGCCCCGGCCGGCGAGGGTGGCCCCCTGCACCTCCTC
CAAACCTTACTAGTAACAGGAGACTGCAGCAGACCCAGGCCAGGTGGATGAGGTGGTGGACATCATGAG
GGTGAATGTGGACAAGGTCTGGAGCGGGACCAGAAGTTGTCGGAGCTGGATGACCGTGCAGATGCCCTC
CAGGCAGGGCCCTCCAGTTTGAACAAGTGCAGCCAAGCTCAAGCGCAAATACTGGTGGAAAACTCA
AGATGATGATCATCTTGGGAGTGATCTGCGCCATCATCCTCATCATCATCGTTTACTTCAGCACTTA
A

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_009497
Insert Size: 351 bp



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OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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_009497.3](#), [NP_033523.1](#)

RefSeq Size: 2164 bp

RefSeq ORF: 351 bp

Locus ID: 22318

UniProt ID: [P63044](#)

Cytogenetics: 11 B3

Gene Summary: Involved in the targeting and/or fusion of transport vesicles to their target membrane (PubMed:9430681). Modulates the gating characteristics of the delayed rectifier voltage-dependent potassium channel KCNB1 (By similarity).[UniProtKB/Swiss-Prot Function]