

Product datasheet for **MR227842**

Vamp5 (NM_001080742) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Vamp5 (NM_001080742) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Vamp5
Synonyms: AF119384; Camp
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR227842 representing NM_001080742
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGGAAAGAAGCAATGCCAGCAGCAGGCGGACGAAGTGACGGAAATCATGCTCAACAATT
TCGACAAGGTCTGGAGCGTCACGGCAAGCTGGCGGAGTTGGAGCAGCGTTCAGACCAGCTCCTGGACAT
GAGTTCGGCCTTCAGCAAGACAACCAAGACTTTAGCCCAGCAGAAGCGCTGGGAAAATATCCGGTGCCGG
GTCTACTTGGGGCTAGCAGTGGCTGTTGGCCTGCTCATCATCCTGATTGTGTGCTGGTCGCTTTCTTC
CGAGTGGTGGGACAGTAGTAAACCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR227842 representing NM_001080742
Red=Cloning site Green=Tags(s)
MAGKELKQCQQQADEVTEIMLNFDKVLERHGKLAELEQRSDQLLDMSSAFSKTTKTLAQQKRWENIRCR
VYLGLAVAVGLLIILIVLLVVFLLPSGGDSSKP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_001080742

ORF Size: 306 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

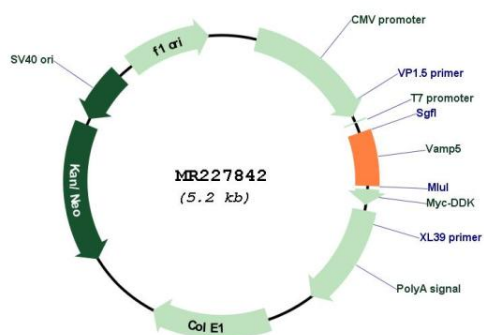
RefSeq: [NM_001080742.2](#), [NP_001074211.1](#)

RefSeq Size: 1538 bp

RefSeq ORF: 309 bp

Locus ID:	53620
UniProt ID:	Q9Z2P8
Cytogenetics:	6 C1
MW:	11.4 kDa
Gene Summary:	May participate in trafficking events that are associated with myogenesis, such as myoblast fusion and/or GLUT4 trafficking.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR227842