

## Product datasheet for MR216177

### Vamp5 (NM\_016872) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Vamp5 (NM\_016872) 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:** >MR216177 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGGATCGCC

ATGGCAGGAAAGAAGCAATGCCAGCAGCAGGCGGACGAAGTGACGGAAATCATGCTCAACAATT  
TCGACAAGGTCTGGAGCGTCACGGCAAGCTGGCGGAGTTGGAGCAGCGTTCAGACCAGCTCCTGGACAT  
GAGTTCGGCCTTCAGCAAGACAACCAAGACTTTAGCCCAGCAGAAGCGCTGGGAAAATATCCGGTCCGG  
GTCTACTTGAGGCTAGCAGTGGCTGTTGGCCTGCTCATCATCCTGATTGTGTGCTGGTCTTTCTTC  
CGAGTGGTGGGACAGTAGTAAACCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR216177 protein sequence  
Red=Cloning site Green=Tags(s)  
MAGKELKQCQQQADEVTEIMLNFDKVLERHGKLAELEQRSDQLLDMSSAFSKTTKTLAQQKRWENIRCR  
VYLR LAVAVGLLIILIVLLVVF LPSGGDSSKP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**


**ACCN:** NM\_016872

**ORF Size:** 309 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.

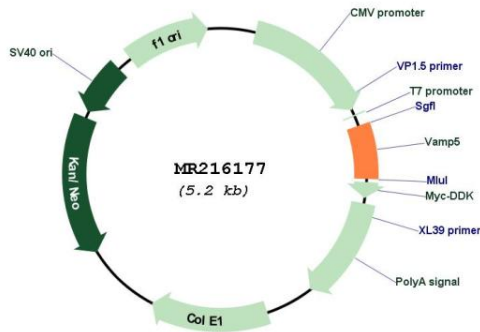
**RefSeq:** [NM\\_016872.1](#), [NM\\_016872.2](#), [NM\\_016872.3](#), [NM\\_016872.4](#), [NP\\_058568.1](#)

**RefSeq Size:** 1648 bp

**RefSeq ORF:** 309 bp

Locus ID: 53620  
 UniProt ID: [Q9Z2P8](#)  
 Cytogenetics: 6 C1  
 MW: 11.5 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 MR216177