

Product datasheet for RC202734

VAMP4 (NM_003762) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: VAMP4 (NM_003762) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: VAMP4
Synonyms: VAMP-4; VAMP24
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC202734 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGCCTCCCAAGTTTAAGCGCCACCTCAATGATGATGATGTCACAGGTTCTGTGAAAAGTGAAAGGAGAA
 ATCTTTTGAAGATGATTCAGATGAAGAAGAGGACTTTTTCTGGGACCATCTGGACCAAGATTTGGACC
 TAGAAATGATAAAATTAAGCATGTTCAAGTCAAGTGGATGAAGTTATTGATGTCATGCAAGAAAATATT
 ACAAAGGTAATTGAGAGAGGGGAGAGACTAGATGAACTACAGGACAAATCAGAAAGCTTATCGGATAATG
 CAACAGCTTTTAGCAACAGATCCAAACAACTTCGAAGGCAAATGTGGTGGCGTGGATGCAAATAAAGC
 CATCATGGCTTTGGTTGCTGCTATCCTTTGCTAGTGATTATCATTCTTATAGTCATGAAATACCGTACT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC202734 protein sequence
 Red=Cloning site Green=Tags(s)

MPPKFKRHLNDDDDVTGSVKERRNLLLEDDSDDEEDFFLGPSPRFGPRNDKIKHVQNVQVDEVIDVMQENI
 TKVIERGERLDELQDKSESLSDNATAFSNRSKQLRRQMWRGCKIKAIMALVAAILLVVIILVIMKYRT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6284_c04.zip

Restriction Sites: SgfI-MluI



[View online »](#)

Cloning Scheme:


ACCN: NM_003762

ORF Size: 363 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_003762.5](#)

RefSeq Size: 5155 bp

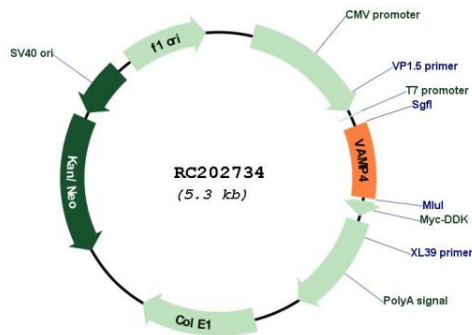
RefSeq ORF: 426 bp

Locus ID: 8674

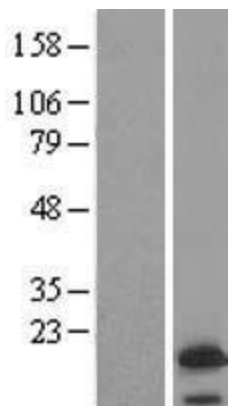
UniProt ID: [O75379](#)

| | |
|--------------------------|---|
| Cytogenetics: | 1q24.3 |
| Domains: | synaptobrevin |
| Protein Families: | Transmembrane |
| Protein Pathways: | SNARE interactions in vesicular transport |
| MW: | 16.2 kDa |
| Gene Summary: | Synaptobrevins/VAMPs, syntaxins, and the 25-kD synaptosomal-associated protein SNAP25 are the main components of a protein complex involved in the docking and/or fusion of synaptic vesicles with the presynaptic membrane. The protein encoded by this gene is a member of the vesicle-associated membrane protein (VAMP)/synaptobrevin family. This protein may play a role in trans-Golgi network-to-endosome transport. [provided by RefSeq, Jul 2008] |

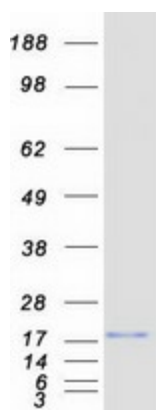
Product images:



Circular map for RC202734



Western blot validation of overexpression lysate (Cat# [LY418448]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202734 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified VAMP4 protein (Cat# [TP302734]). The protein was produced from HEK293T cells transfected with VAMP4 cDNA clone (Cat# RC202734) using MegaTran 2.0 (Cat# [TT210002]).