

Product datasheet for **RC200405**

VAMP8 (NM_003761) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: VAMP8 (NM_003761) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: VAMP8
Synonyms: EDB; VAMP-8
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC200405 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGAAGCCAGTGAAGGTGGAGGAAATGATCGTGTGCGGAACCTGCAAAGTGAGGTGGAGGGAGTTA
AGAATATTATGACCCAGAATGTGGAGCGGATCTGGCCCGGGGGAAAACCTTGAACATCTCCGCAACAA
GACAGAGGATCTGGAAGCCACATCTGAGCACTTCAAGACGACATCGCAGAAGGTGGCTCGGAAATCTGG
TGAAGAACGTGAAGATGATTGTCCTTATCTGCGTGATTGTTTTATCATCATCTCTTCATTGTGCTCT
TTGCCACTGGTGCCTTCTCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC200405 protein sequence
Red=Cloning site Green=Tags(s)
MEEASEGGGNDVRNQLQSEVEGVKNIMTQNVERILARGENLEHLRNKTEDLEATSEHFKTTSQKVARKFW
WKNVKMIVLICVIVFIIILFIVLFATGAFS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6082_a09.zip

Restriction Sites: SgfI-MluI



[View online »](#)

Cloning Scheme:


ACCN: NM_003761

ORF Size: 300 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

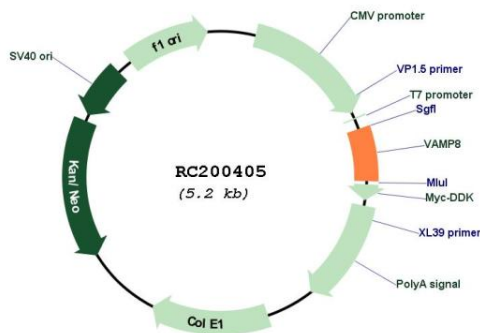
RefSeq: [NM_003761.2](#), [NP_003752.2](#)

RefSeq Size: 790 bp

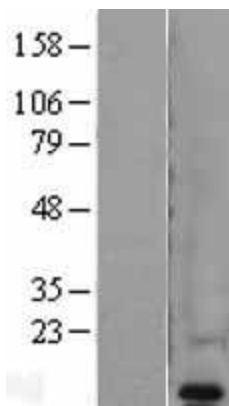
RefSeq ORF: 303 bp

Locus ID: 8673
UniProt ID: [Q9BV40](#)
Cytogenetics: 2p11.2
Domains: synaptobrevin
Protein Families: Stem cell - Pluripotency, Transmembrane
Protein Pathways: SNARE interactions in vesicular transport
MW: 11.4 kDa
Gene Summary: This gene encodes an integral membrane protein that belongs to the synaptobrevin/vesicle-associated membrane protein subfamily of soluble N-ethylmaleimide-sensitive factor attachment protein receptors (SNAREs). The encoded protein is involved in the fusion of synaptic vesicles with the presynaptic membrane.[provided by RefSeq, Jun 2010]

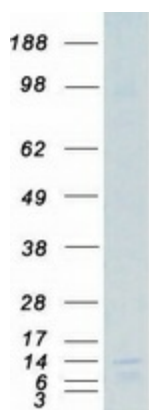
Product images:



Circular map for RC200405



Western blot validation of overexpression lysate (Cat# [LY401238]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200405 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified VAMP8 protein (Cat# [TP300405]). The protein was produced from HEK293T cells transfected with VAMP8 cDNA clone (Cat# RC200405) using MegaTran 2.0 (Cat# [TT210002]).