

Product datasheet for **RC202783**

VAMP3 (NM_004781) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: VAMP3 (NM_004781) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: VAMP3
Synonyms: CEB
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC202783 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTACAGGTCCAACCTGCTGCCACTGGCAGTAATCGAAGACTTCAGCAGACACAAAATCAAGTAGATG
AGGTGGTGGACATAATGCGAGTTAACGTGGACAAGTTCTGGAAAGAGACCAGAAGCTCTCTGAGTTAGA
CGACCGTGCAGACGCACTGCAGGCAGGCCTTCTCAATTTGAAACGAGCGCAGCCAAGTTGAAGAGGAAA
TATTGGTGAAGAATTGCAAGATGTGGCAATCGGGATTACTGTTCTGGTTATCTTCATCATCATCATCA
TCGTGTGGTTGTCTTCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC202783 protein sequence
Red=Cloning site Green=Tags(s)
MSTGPTAATGSNRRLLQQTQNVDEVDIMRVNVDKVLERDQKLSLDDRADALQAGASQFETSAAKLKRK
YWWKNCKMWAIGITVLVIFIIIIIVWVSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6050_d06.zip

Restriction Sites: SgfI-MluI



[View online >](#)

Cloning Scheme:


ACCN: NM_004781

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.

RefSeq: [NM_004781.4](#)

RefSeq Size: 2225 bp

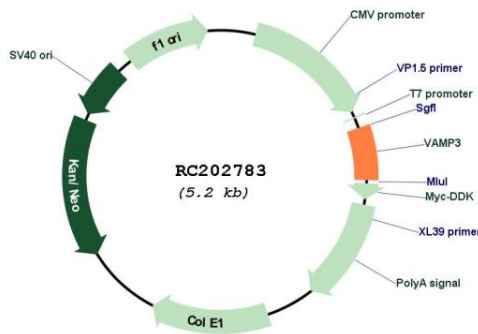
RefSeq ORF: 303 bp

Locus ID: 9341

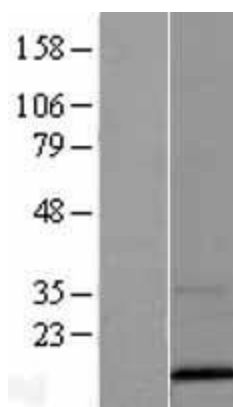
UniProt ID: [Q15836](#)
Cytogenetics: 1p36.23
Domains: synaptobrevin
Protein Families: Transmembrane
Protein Pathways: SNARE interactions in vesicular transport
MW: 11.3 kDa

Gene Summary: Synaptobrevins/VAMPs, syntaxins, and the 25-kD synaptosomal-associated protein are the main components of a protein complex involved in the docking and/or fusion of synaptic vesicles with the presynaptic membrane. This gene is a member of the vesicle-associated membrane protein (VAMP)/synaptobrevin family. Because of its high homology to other known VAMPs, its broad tissue distribution, and its subcellular localization, the protein encoded by this gene was shown to be the human equivalent of the rodent cellubrevin. In platelets the protein resides on a compartment that is not mobilized to the plasma membrane on calcium or thrombin stimulation. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC202783



Western blot validation of overexpression lysate (Cat# [LY401501]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202783 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).