

## **Product datasheet for RG202734**

## VAMP4 (NM 003762) Human Tagged ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

**Product Name:** VAMP4 (NM\_003762) Human Tagged ORF Clone

Tag: TurboGFP

Symbol: VAMP4

Synonyms: VAMP-4; VAMP24

Mammalian Cell Neomycin

Selection:

**Vector:** pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >RG202734 representing NM\_003762

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGCCTCCCAAGTTTAAGCGCCACCTCAATGATGATGATGTCACAGGTTCTGTGAAAAGTGAAAAGGAGAA ATCTTTTGGAAGATGATCAGATGAAGAAGAAGAGAGACCTTTTTTCTGGGACCATCTGGACCAAGATTTGGACC TAGAAATGATAAAATTAAGCATGTTCAGAATCAAGTGGATGAAGTTATTGATGTCATGCAAGAAAATATT ACAAAGGTAATTGAGAGAGAGAGACTAGATGAACTACAGGACAAATCAGAAAGCTTATCGGATAATG CAACAGCTTTTAGCAACAGATCCAAACAACTTCGAAGGCAAATGTGGTGGCGTGGATGCAAAATAAAAGC CATCATGGCTTTGGTTGCTGCTATCCTTTTTGCTAGTGATTATCATTCTTATAGTCATGAAATACCGTACT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG202734 representing NM\_003762

Red=Cloning site Green=Tags(s)

MPPKFKRHLNDDDVTGSVKSERRNLLEDDSDEEEDFFLGPSGPRFGPRNDKIKHVQNQVDEVIDVMQENI TKVIERGERLDELQDKSESLSDNATAFSNRSKQLRRQMWWRGCKIKAIMALVAAILLLVIIILIVMKYRT

TRTRPLE - GFP Tag - V

**Restriction Sites:** Sgfl-Mlul



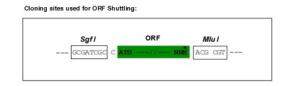
**OriGene Technologies, Inc.** 9620 Medical Center Drive, Ste 200

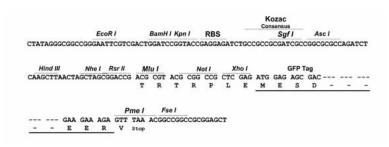
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



## **Cloning Scheme:**





**ACCN:** NM\_003762

ORF Size: 420 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: <u>NM 003762.2</u>, <u>NP 003753.2</u>

RefSeq Size: 1254 bp RefSeq ORF: 426 bp



Locus ID: 8674

 UniProt ID:
 O75379

 Cytogenetics:
 1q24.3

Domains:synaptobrevinProtein Families:Transmembrane

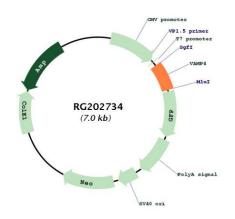
**Protein Pathways:** SNARE interactions in vesicular transport

**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 RG202734