

Product datasheet for **RG230977**

VAMP4 (NM_001185127) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: VAMP4 (NM_001185127) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: VAMP4
Synonyms: VAMP-4; VAMP24
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG230977 representing NM_001185127
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCTCCCAAGTTTAAGCGCCACCTCAATGATGATGATGTCACAGGTTCTGTGAAAAGTGAAAGGAGAA
ATCTTTTGAAGATGATTCAGATGAAGAAGAGGACTTTTTCTGGGACCATCTGGACCAAGATTTGGACC
TAGAAATGATAAAATTAAGCATGTTCAAGTCAAGTGGATGAAGTTATTGATGTCATGCAAGAAAATATT
ACAAAGGTAATTGAGAGAGGGGAGAGACTAGATGAACACAGGACAAATCAGAAAGCTTATCGGATAATG
CAACAGCTTTTAGCAACAGATCCAAACAACCTCGAAGGCAAATGTGGTGGCGTGGATGCAAATAAAGC
CATCATGGCTTTGGTTGCTGCTATCCTTTGCTAGTGATTATCATTCTTATAGTCATGAAATACCGTACT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG230977 representing NM_001185127
Red=Cloning site Green=Tags(s)
MPPKFKRHLNDDDDVTGSVKSERNLLEDDSDDEEDFFLGPSPRFGPRNDKIKHVQNVQVDEIDVMQENI
TKVIERGERLDELQDKSESLSDNATAF SNRSKQLRRQMWRGCKIKAIMALVAAIILLV IIVMKYRT

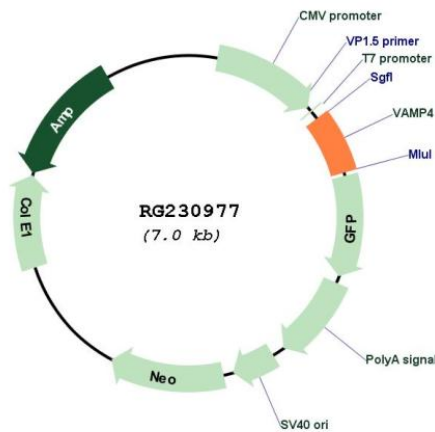
TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001185127

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:	<ol style="list-style-type: none">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_001185127.2
RefSeq Size:	5152 bp
RefSeq ORF:	423 bp
Locus ID:	8674
UniProt ID:	O75379
Cytogenetics:	1q24.3
Protein 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]