

## Product datasheet for **RG204973**

### VAMP5 (NM\_006634) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** VAMP5 (NM\_006634) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** VAMP5  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG204973 representing NM\_006634  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCAGGAATAGAGTTGGAGCGGTGCCAGCAGCAGGCGAACGAGGTGACGGAAATTATGCGTAACAAC  
 TCGGCAAGGTCTGGAGCGTGGTGTGAAGCTGGCCGAACGCAGCAGCGTTCAGACCAACTCCTGGATAT  
 GAGCTCAACCTTCAACAAGACTACACAGAACCTGGCCAGAAGAAGTCTGGGAGAACATCCGTTACCGG  
 ATCTGCGTGGGGCTGGTGGTGGTGGTGTCTGCTCATCATCTGATTGTGCTGCTGGTCGCTTTCTCC  
 CTCAGAGCAGTGACAGCAGTAGTGCCCCACGGACCCAGGATGCAGGCATTGCCTCAGGGCCTGGGAAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG204973 representing NM\_006634  
 Red=Cloning site Green=Tags(s)

MAGIELERCQQQANEVTEIMRNNFGKVLERGVKLAELQQRSDQLLDMSSTFNKTTQNLAQKCKWENIRYR  
 ICVGLVVVGVLLIILIVLLVFLPQSSDSSAPRTQDAGIASGPGN

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**


**ACCN:** NM\_006634

**ORF Size:** 348 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\\_006634.3](#)

**RefSeq Size:** 694 bp

**RefSeq ORF:** 351 bp  
**Locus ID:** 10791  
**UniProt ID:** [O95183](#)  
**Cytogenetics:** 2p11.2  
**Protein Families:** Transmembrane  
**Protein Pathways:** SNARE interactions in vesicular transport  
**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 vesicles and cell membranes. The VAMP5 gene is a member of the vesicle-associated membrane protein (VAMP)/synaptobrevin family and the SNARE superfamily. This VAMP family member may participate in vesicle trafficking events that are associated with myogenesis. [provided by RefSeq, Jul 2008]

**Product images:**



Circular map for RG204973