

Product datasheet for **RG205125**

VAMP1 (NM_199245) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: VAMP1 (NM_199245) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: VAMP1
Synonyms: CMS25; SPAX1; SYB1; VAMP-1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG205125 representing NM_199245
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCTGCTCCAGCTCAGCCACCTGCTGAAGGGACAGAAGGGACTGCCCCAGGTGGGGTCCCCCTGGCC
 CTCCTCCTAACATGACCAGTAACAGACGACTACAGCAAACCCAGGCACAAGTGGAGGAGGTGGTGGACAT
 CATACTGTGAACGTGGACAAGTCTGGAGAGGGACCAGAAGCTGTGAGAGCTGGATGACCGAGCTGAT
 GCCTTGCAGGCAGGAGCATCACAATTTGAGAGCAGTGTGCAAAGCTAAAGAGGAAGTATTGGTGGAAAA
 ACTGCAAGATGATGATCATGCTGGGAGCCATCTGTGCCATCATCGTGGTAGTTATTGTAAGTAAGTATCG
 C

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG205125 representing NM_199245
 Red=Cloning site Green=Tags(s)

MSAPAQPPAEGTEGTAPGGPPGPPNMTSNRRLQQTQAQVEEVVDIIRVNVDKVLERDQKLSLEDDRAD
 ALQAGASQFESSAAKLKRYWKNCKMMIMLGAICAIIVVVIVSKYR

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_199245

ORF Size: 351 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.

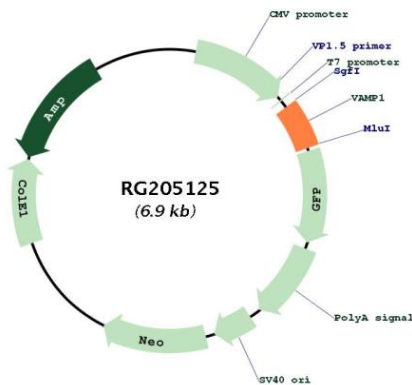
RefSeq: [NM_199245.1](#), [NP_954740.1](#)

RefSeq Size: 3151 bp

RefSeq ORF: 354 bp

Locus ID: 6843
UniProt ID: [P23763](#)
Cytogenetics: 12p13.31
Protein Families: Secreted Protein, Transmembrane
Protein Pathways: SNARE interactions in vesicular transport
Gene Summary: Synaptobrevins, syntaxins, and the 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. Mutations in this gene are associated with autosomal dominant spastic ataxia 1. Multiple alternative splice variants have been described, but the full-length nature of some variants has not been defined. [provided by RefSeq, Jul 2014]

Product images:



Circular map for RG205125