

## Product datasheet for **RG235730**

### VAMP1 (NM\_001297438) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** VAMP1 (NM\_001297438) 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:** >RG235730 representing NM\_001297438.  
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCTGCTCCAGCTCAGCCACCTGCTGAAGGGACAGAAGGGACTGCCCCAGGTGGGGTCCCCCTGGC
CCTCCTCTAACATGACCAGTAACAGACGACTACAGCAAACCCAGGCACAAGTGGAGGAGGTGGTGGAC
ATCATACGTGTGAACGTGGACAAGTCTGGAGAGGGACCAGAAGCTGTCAGAGCTGGATGACCGAGCT
GATGCCTTGCAGGCAGGAGCATCACAATTTGAGAGCAGTGTGCCAAGCTAAAGAGGAAGTATTGGTGG
AAAACTGCAAGATGATGATCATGCTGGGAGCCATCTGTGCCATCATCGTGGTAGTTATTGAAGAAGA
GGC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

**Protein Sequence:** >Peptide sequence encoded by RG235730  
Blue=ORF Red=Cloning site Green=Tag(s)

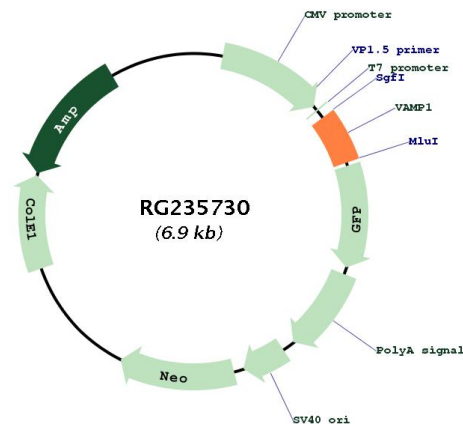
```
MSAPAQPPAEGTEGTAPGGGPPGPPNMTSNRRLQQTQAQVEEVVDIIRVNVDKVLERDQKLSLDDRA
DALQAGASQFESSAAKLKRKYWWKNCKMMIMLGAICAIIVVIVRRG
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**

**Plasmid Map:**


ACCN: NM\_001297438

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](#)

|                          |  |
|--------------------------|--|
| <b>OTI Annotation:</b>   | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.   |
| <b>Components:</b>       | 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).   |
| <b>RefSeq:</b>           | <a href="#">NM_001297438.2</a>   |
| <b>RefSeq Size:</b>      | 1453 bp  |
| <b>RefSeq ORF:</b>       | 351 bp   |
| <b>Locus ID:</b>         | 6843   |
| <b>UniProt ID:</b>       | <a href="#">P23763</a>   |
| <b>Cytogenetics:</b>     | 12p13.31   |
| <b>Protein Families:</b> | Secreted Protein, Transmembrane  |
| <b>Protein Pathways:</b> | SNARE interactions in vesicular transport  |
| <b>MW:</b>               | 13 kDa   |
| <b>Gene Summary:</b>     | 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] |