

Product datasheet for **MG202515**

Vamp7 (NM_011515) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vamp7 (NM_011515) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Vamp7
Synonyms:	Sybl1; TI-VAMP; VAMP-7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202515 representing NM_011515 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCATTCTTTTTGCTGTTGTTGCCAGGGGAACCACTATCCTTGCCAAACATGCTTGGTGTGGAGGAA
ACTTCCTGGAGGTGACAGAGCAGATTCTGGCTAAGATACCTTCTGAAAATAATAAACTAACTTACTCACA
TGGCAATTATTTGTTTCATTACATCTGCCAAGACAGGATTGTGTATCTTTGTATCACTGATGATGATTTT
GAGCGTTCGAGCGTTCAGTTTTTTGAATGAAGTAAAGAAGAGATTCCAGACAACCTACGGTTCGAAG
CACAACTGCCTTCTTATGCTATGAATAGCGAGTTTTCAAGTGTGGCTGCACAACGAAGCATCA
CTCTGAGAATAAGAGCCTAGACAAAGTATGGAGACTCAAGCACAAAGTGGATGAAGTAAAGGAATATG
GTCAGAAACATAGATTTAGTTGCTCAACGTGGAGAAAGTTGGAATTGCTGATAGATAAAACAGAAAACC
TTGTGGATTATCTGTCACCTTTCAAACTACCAGCAGAAATCTTGCTCGAGCCATGTGTATGAAGAATAT
CAAGCTCACTATCATCATCATTGTATCAATTGTGTTTCATCTATCATTGTGTCACCTTCTGTGGT
GGGTTTACATGGCCAACTGTGTGAAGAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202515 representing NM_011515
 Red=Cloning site Green=Tags(s)

```
MAILFAVVARGTTILAKHAWCGGNFLEVTEQILAKIPSENNKLYSHGNYLFHYICQDRIVYLCITDDDF
ERSRAFSFLNEVKRFQTTYGSRAQTALPYAMNSEFSSVLAQLKHSENKSLDKVMETQAQVDELKGIM
VRNIDLVAQRGERLELLIDKTENLDVSSVTFKTTSRNLARAMCMKNIKLTIIIIIVSIVFIYIIIVSLLCG
GFTWPNCVKK
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_011515

ORF Size: 660 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_011515.5](#)

RefSeq Size: 2534 bp

RefSeq ORF: 663 bp

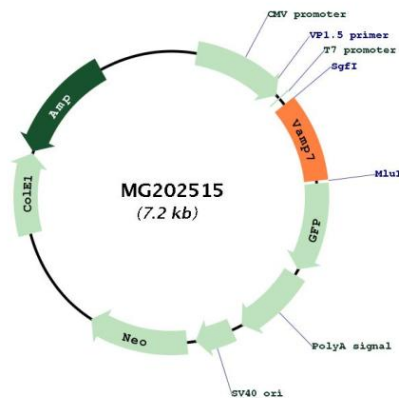
Locus ID: 20955

UniProt ID: [P70280](#)

Cytogenetics: X

Gene Summary: Involved in the targeting and/or fusion of transport vesicles to their target membrane during transport of proteins from the early endosome to the lysosome. Required for heterotypic fusion of late endosomes with lysosomes and homotypic lysosomal fusion. Required for calcium regulated lysosomal exocytosis. Involved in the export of chylomicrons from the endoplasmic reticulum to the cis Golgi. Required for exocytosis of mediators during eosinophil and neutrophil degranulation, and target cell killing by natural killer cells. Required for focal exocytosis of late endocytic vesicles during phagosome formation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG202515