

Product datasheet for **RG231108**

SYBL1 (VAMP7) (NM_001185183) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SYBL1 (VAMP7) (NM_001185183) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: VAMP7
Synonyms: SYBL1; TI-VAMP; TIVAMP; VAMP-7
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG231108 representing NM_001185183
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGATTCTTTTTGCTGTTGTTGCCAGGGGACCACTATCCTTGCCAAACATGCTTGGTGTGGAGGAA
ACTTCCTGGAGGTGACAGAGCAGATTCTGGCTAAGATACCTTCTGAAAATAACAACTAACGTAATCACA
TGGCAATTATTTGTTTCATTACATCTGCCAAGACAGGATTGTATATCTTTGTATCACTGATGATGATTTT
GAACGTTCCCGAGCCTTTAATTTCTGAATGAGATAAAGAAGAGGTTCCAGACTACTTACGGTTCAAGAG
CACAGACAGCACTCCATATGCCATGAATAGCGAGTTCTCAAGTGTCTTAGCTGCACAGCTGAAGCATCA
CTCTGAGAATAAGGGCCTAGACAAAGTATGGAGACTCAAGCCCAAGTGGATGAACTGAAAGGAATCATG
GTCAGAAACATAGTCTGTACCTTCAAACTACCAGCAGAAATCTTGCTCGAGCCATGTGTATGAAGAAC
CTCAAGCTCACTATTATCATCATCATCGTATCAATTGTGTTTCATCTATATCATTGTTTACCTCTCTGTG
GTGGATTTACATGGCCAAGCTGTGTGAAGAAATAGGAAAGAAGTACCATTAAACCAAGGATATGAGA
GAACAAGGAGTTAAAAGCAATCCATGTGACTCAAGCCTTTCACATACTGACAGATGGTATCTGCCAGTCT
CTTCAACCCTTCTCACTTTTTAAAATCTTGTTCATGCCTCCAGGTTTATCTTTGTCTTATCTACCAG
TTTATTCCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG231108 representing NM_001185183
Red=Cloning site Green=Tags(s)

MAILFAVVARGTTILAKHAWCGGNFLEVTEQILAKIPSENNKLYSHGNYLFHYICQDRIVYLCITDDDF
 ERSRAFNFLNEIKKRFQTTYGSRAQTALPYAMNSEFSSVLAQLKHSENKGLDKVMETQAQVDELKGIM
 VRNIVCHLQNYQQKSCSSHVYEEPQAHYHHHRINCVHLYHCFTSLWWIYMAKLCEEIGKKLPLTKDMR
 EQGVKSNPCDSSLSHTRWYLPVSSTLFLSLFKILFHASRFIFVLSTSLFL

TRTRPLE - GFP Tag - V

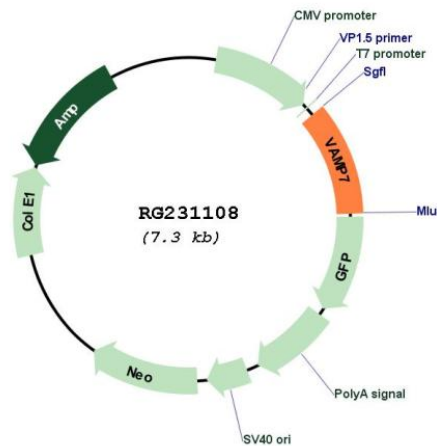
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001185183

ORF Size: 780 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_001185183.2
RefSeq Size:	2596 bp
RefSeq ORF:	783 bp
Locus ID:	6845
UniProt ID:	P51809
Cytogenetics:	Xq28 and Yq12
Protein Families:	Transcription Factors, Transmembrane
Protein Pathways:	SNARE interactions in vesicular transport
Gene Summary:	This gene encodes a transmembrane protein that is a member of the soluble N-ethylmaleimide-sensitive factor attachment protein receptor (SNARE) family. The encoded protein localizes to late endosomes and lysosomes and is involved in the fusion of transport vesicles to their target membranes. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jun 2010]