

## Product datasheet for **RG208902**

### **SYBL1 (VAMP7) (NM\_005638) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SYBL1 (VAMP7) (NM_005638) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SYBL1
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:	>RG208902 representing NM_005638 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGATTCTTTTTGCTGTTGTTGCCAGGGGACCACTATCCTTGCCAAACATGCTTGGTGTGGAGGAA  
ACTTCCTGGAGGTGACAGAGCAGATTCTGGCTAAGATACCTTCTGAAAATAACAACTAACGTAATCACA  
TGGCAATTATTTGTTTCATTACATCTGCCAAGACAGGATTGTATATCTTTGTATCACTGATGATGATTTT  
GAACGTTCCCGAGCCTTTAATTTCTGAATGAGATAAAGAAGAGGTTCCAGACTACTTACGGTTCAAGAG  
CACAGACAGCACTCCATATGCCATGAATAGCGAGTTCTCAAGTGTCTTAGCTGCACAGCTGAAGCATCA  
CTCTGAGAATAAGGGCCTAGACAAAGTATGGAGACTCAAGCCCAAGTGGATGAACTGAAAGGAATCATG  
GTCAGAAACATAGATCTGGTAGCTCAGCGAGGAGAAAGATTGGAATTATTGATTGACAAAACAGAAAATC  
TTGTGGATTCTTCTGTCACCTTCAAACTACCAGCAGAAATCTTGCTCGAGCCATGTGTATGAAGAACCT  
CAAGCTCACTATTATCATCATCATCGTATCAATTGTGTTTCATCTATATCATTGTTTCACCTCTGTGGT  
GGATTTACATGGCCAAGCTGTGTGAAGAAA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG208902 representing NM\_005638  
 Red=Cloning site Green=Tags(s)

MAILFAVVARGTTILAKHAWCGGNFLEVTEQILAKIPSENNKLYSHGNYLFHYICQDRIVYLCITDDDF  
 ERSRAFNFLNEIKKRFQTTYGSRAQTALPYAMNSEFSSVLAQLKHSENKGLDKVMETQAQVDELKGIM  
 VRNIDLVAQRGERLELLIDKTENLDVSSVTFKTTSRNLARAMCMKNLKLTIIIIIVSIVFIYIIIVSPLCG  
 GFTWPSCVKK

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_005638

**ORF Size:** 660 bp

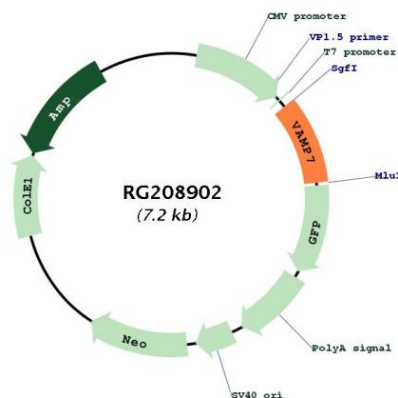
**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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.

<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>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_005638.6</a></u>
<b>RefSeq Size:</b>	2588 bp
<b>RefSeq ORF:</b>	663 bp
<b>Locus ID:</b>	6845
<b>UniProt ID:</b>	<u><a href="#">P51809</a></u>
<b>Cytogenetics:</b>	Xq28 and Yq12
<b>Domains:</b>	synaptobrevin
<b>Protein Families:</b>	Transcription Factors, Transmembrane
<b>Protein Pathways:</b>	SNARE interactions in vesicular transport
<b>Gene Summary:</b>	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]

### Product images:



Circular map for RG208902