

Product datasheet for **SC116604**

SYBL1 (VAMP7) (NM_005638) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SYBL1 (VAMP7) (NM_005638) Human Untagged Clone
Tag:	Tag Free
Symbol:	SYBL1
Synonyms:	SYBL1; TI-VAMP; TIVAMP; VAMP-7
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116604 sequence for NM_005638 edited (data generated by NextGen Sequencing)

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ATGGCGATTCTTTTTGCTGTTGTTGCCAGGGGGACCACTATCCTTGCCAAACATGCTTGG
TGTGGAGGAACTTCTGAGGTGACAGAGCAGATTCTGGCTAAGATACCTTCTGAAAAT
AACAACTAACGTA CTACATGGCAATTTTGTTCATTACATCTGCCAAGACAGGATT
GTATATCTTTGTATCACTGATGATGATTTTGAACGTTCCCGAGCCTTAAATTTTCTGAAT
GAGATAAAGAAGAGGTTCCAGACTACTTACGGTTCAAGAGCACAGACAGCACTTCCATAT
GCCATGAATAGCGAGTTCTCAAGTGTCTTAGCTGCACAGCTGAAGCATCACTCTGAGAAT
AAGGGCTAGACAAAGTATGGAGACTCAAGCCCAAGTGGATGAACTGAAAGGAATCATG
GTCAGAAACATAGATCTGGTAGCTCAGCGAGGAGAAAGATTGGAATTATTGATTGACAAA
ACAGAAAATCTTGTGGATTCTTCTGTACCTTCAAACCTACCAGCAGAAATCTTGCTCGA
GCCATGTGTATGAAGAACCTCAAGCTCACTATTATCATCATCATCGTATCAATTGTGTTCT
ATCTATATCATTGTTTCACCTCTCTGTGGTGGATTACATGGCCAAGCTGTGTGAAGAAA
TAG

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Clone variation with respect to NM_005638.5



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005638 unedited
 ACTCGGATTTGTAACCGACTTTATATAGGCGGCACCGCAATTCGCACGAGGGCGCTTCAT
 GCGGAAGTCAGCGGCGTCCGGTCCCAGCCTCCTCTGGGAGCGGGCAGTTGGCGACCCTGC
 ACTGACCCGCGTCCCTCCGTCCCAGCCGCGCGCCCTCAGAGGGTGCCCGGACAGACTG
 AAGCCATGGCGATTCTTTTTGCTGTTGTTGCCTTTGGGACCACTATCCTTGCCAAACATG
 CTTGGTGTGGAGGAACTTCTGGAGGTGACAGAGCAGATTCTGGCTAAGATAACCTTCTG
 AAAATAACAAACTAACGTAACACTCACATGGCAATTAATTTGTTTCATTACATCTGCCAAGACA
 GGATTGTATATCTTTGTATCACTGATGATGATTTTGAACGTTCCCGAGCCTTTAATTTTC
 TGAATGAGATAAAGAAGAGGTTCCAGACTACTTACGGTTCAAGAGCACAGACAGCACTTC
 CATATGCCATGAATAGCGAGTTCTCAAGTGTCTTAGCTGCACAGCTGAAGCATCACTCTG
 AGAATAAGGGCCTAGACAAAGTGATGGAGACTCAAGCCCAAGTGGATGAACTGAAAGGAA
 TCATGGTCAGAAACATAGATCTGGTAGCTCAGCGAGGAGAAAGATTGGAATTATTGATTG
 ANCAAACAGAAAATCTTGTGGATTCTTCTGTACCTTCAAACTACCAGCAGAAAATCTTG
 CTCGAGCCATGTGTATGAAGAACCTCAAGCTCACTATTATCATCATCATCGTATCAATTG
 TGTTTCATCTATATCATTGTTTACCTCTCTGTGGTGGGATTACATGGCCAAGCTGTGTGA
 AGAAATANGAAAGAAGAGTTACCATTACCAGGGTATGAGAGAACAAGGAGTAAAAGCATC
 CATGTGACTCAGCCTTCTACTACTGACAGAGA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_005638 unedited
 GGCACGCAATCTAGTATCGAGTTTTTTTTTTTTTTTTTTTTTTTGTATTACTCTTAAATTTTATT
 AACATCTTCAGTTTGTGCGTCATTTAAATGAGACATGTGCTTTAAAAAGCATTCTTATA
 CATAAATAGACCAAGGAACAGTTAGGTAATTGATCCCTAAAACATGCACATCAATTTTAT
 TCAGGTGTGTATAAGAAAGGGAAATAAGCTTTAAACCTTTTTCTTTGGATTAAAAACATT
 TGGAAATATTACAGGAATGCCAAATGTTTTCTGGAACAGATGATTTTTCCAATAGGAAA
 TACTGATGCAATTAAGAGGCATTAGTGTGATAAAGAAGACTGGAAAAACGTTTGTGCTA
 TGCTAGATAAAACAAGAAAAGAGTTCAAGTGGGCCTAAGATCTATGTCAAATAAATGAATC
 AGGTAGCATGAATTGAAAGGTTTGGATAGAAGAACAGGTACCATGAGCCAGATTATGGGA
 CACATATATGTTCAAGGCACATGACTAGGCTAAACAGGTGGCTAGATTCTACAGACTAAT
 TTGTTTCATTTCATTGAGAAAGTGTAAAATGTAATATAATTTCAATTTAATGGCACTTATTG
 ATAAATAAATGCAATTGGATCTAGGGTAGAAAATGTCTTCCTTTCAGATACACACCAGAA
 ATGCATACTAGATAACAGATGCCAGTAGCGATATGATTACAGTCCAATNTCTTACACTG
 CAGTTAAATGGGTGNTAAACTGGTTTGNATTAATTCTATATGNCATACTGGCTATTCTCT
 TTCAAGTTCACAAAAGATTTCATCAAACACTAGGCAGATTAAGAATTATTTTACCCACAAAAT
 GCTCANAATAATTCNACAGAATCAGCCCAACCCTGNATTGACTGCTGACCGTATTTCGG
 TTGGGTTTTCCANAATGGAAACTTTTTCACACTACTCCTTGACAGCTANAGCTACATTCC
 CTGGGNTCCTCTTTT

Restriction Sites:

NotI-NotI

ACCN:

NM_005638

Insert Size:

2630 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 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](#)

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_005638.3](#), [NP_005629.1](#)

RefSeq Size: 2588 bp

RefSeq ORF: 663 bp

Locus ID: 6845

UniProt ID: [P51809](#)

Cytogenetics: Xq28 and Yq12

Domains: synaptobrevin

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]

Transcript Variant: This variant (1) represents the longest transcript and encodes isoform (1).
Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.