

Product datasheet for **RC231108**

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: Myc-DDK
Symbol: SYBL1
Synonyms: SYBL1; TI-VAMP; TIVAMP; VAMP-7
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC231108 representing NM_001185183
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGATTCTTTTTGCTGTTGTTGCCAGGGGACCACTATCCTTGCCAAACATGCTTGGTGTGGAGGAA
ACTTCCTGGAGGTGACAGAGCAGATTCTGGCTAAGATACCTTCTGAAAATAACAACTAACGTAATCACA
TGGCAATTATTTGTTTCATTACATCTGCCAAGACAGGATTGTATATCTTTGTATCACTGATGATGATTTT
GAACGTTCCCGAGCCTTTAATTTCTGAATGAGATAAAGAAGAGGTTCCAGACTACTTACGGTTCAGAG
CACAGACAGCACTCCATATGCCATGAATAGCGAGTTCTCAAGTGTCTTAGCTGCACAGCTGAAGCATCA
CTCTGAGAATAAGGGCCTAGACAAAGTGATGGAGACTCAAGCCCAAGTGGATGAACTGAAAGGAATCATG
GTCAGAAACATAGTCTGTACCTTCAAACCTACCAGCAGAAATCTTGCTCGAGCCATGTGTATGAAGAAC
CTCAAGCTCACTATTATCATCATCATCGTATCAATTGTGTTTCTATATCATTGTTTCCCTCTCTGTG
GTGGATTTACATGGCCAAGCTGTGTGAAGAAATAGGAAAGAAGAAGTTACCATTAAACCAAGGATATGAGA
GAACAAGGAGTTAAAAGCAATCCATGTGACTCAAGCCTTTCACATACTGACAGATGGTATCTGCCAGTCT
CTTCAACCCTTCTCACTTTTTAAAATCTTGTTCATGCCTCCAGGTTTATCTTTGTCTTATCTACCAG
TTTATTCCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC231108 representing NM_001185183
Red=Cloning site Green=Tags(s)

MAILFAVVARGTTILAKHAWCGGNFLEVTEQILAKIPSENNKLYSHGNYLFHYICQDRIVYLCITDDDF
 ERSRAFNFLNEIKKRFQTTYGSRAQTALPYAMNSEFSSVLAQLKHSENKGLDKVMETQAQVDELKGIM
 VRNIVCHLQNYQQKSCSSHVYEEPPQAHYHHHRINCVHL YHCFTSLWWIYMAKLCEEIGKKLPLTKDMR
 EQGVKSNPCDSSL SHTDRWYLPV SSTL FSLFKILFHASRFIFVLSTSLFL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



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:

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 ORF: 783 bp

Locus ID: 6845

UniProt ID: [P51809](#)

Cytogenetics: Xq28 and Yq12

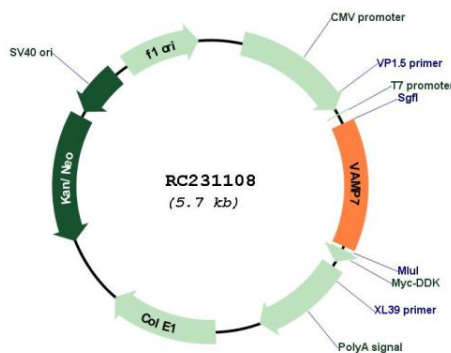
Protein Families: Transcription Factors, Transmembrane

Protein Pathways: SNARE interactions in vesicular transport

MW: 30.7 kDa

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]

Product images:



Circular map for RC231108