

Product datasheet for RC227306

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SYBL1 (VAMP7) (NM_001145149) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: SYBL1 (VAMP7) (NM_001145149) 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 >RC227306 representing NM_001145149
Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

TTTCACCTCTGTGGTGGATTTACATGGCCAAGCTGTGTGAAGAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC227306 representing NM_001145149

Red=Cloning site Green=Tags(s)

MAILFAVVARGTTILAKHAWCGGNFLEDFERSRAFNFLNEIKKRFQTTYGSRAQTALPYAMNSEFSSVLA AQLKHHSENKGLDKVMETQAQVDELKGIMVRNIDLVAQRGERLELLIDKTENLVDSSVTFKTTSRNLARA

MCMKNLKLTIIIIIVSIVFIYIIVSPLCGGFTWPSCVKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8006 g06.zip





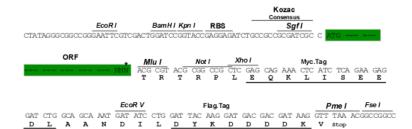
Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shuttling:

ORF Sgfl Mlul CGATCG ACG CGT



^{*} The last codon before the Stop codon of the ORF

ACCN: NM 001145149

ORF Size: 537 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 001145149.3

RefSeq ORF: 540 bp Locus ID: 6845 **UniProt ID:** P51809

Cytogenetics: Xq28 and Yq12



Protein Families: Transcription Factors, Transmembrane

Protein Pathways: SNARE interactions in vesicular transport

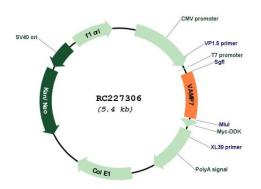
MW: 19.9 kDa

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 RC227306