

Product datasheet for **SC301464**

SYTL3 (NM_001009991) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SYTL3 (NM_001009991) Human Untagged Clone
Tag:	Tag Free
Symbol:	SYTL3
Synonyms:	SLP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC301464 representing NM_001009991.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGGCCCAAGAAATAGATCTGAGTGTCTCAAGGAGTTAGAACGCGAGGCCATTCTCCAGGTCTGTAC
CGAGACCAGGCGGTTCAAAACACAGAGGAGGAGGACACGAACTGAAAACACACCTGCAGCATCTC
CGGTGAAAGGAGCGAAGAACACGACTGGGAGCACAAAGAGAAGTGCTGTGCGCGCTGCCAGCAGGTG
CTGGGGTTCCTGCTGCACCGGGCGCCGTGTGCCGGGGCTGCAGCCACCGCGTGTGTGCCAGTGCCGA
GTGTTCTGAGGGGGACCCATGCCTGGAAGTGCACGGTGTGCTTCGAGGACAGGAATGTCAAAATAAAA
ACTGGAGAATGGTTCTATGAGGAACGAGCCAAGAAATTTCAACTGGAGGCAAACATGAGACAGTTGGA
GGGCAGCTCTTGAATCTTATCAGAAGCTGAGCAAAATTTCTGTGGTTCCTCTACTCCACCTCTGTG
AGCGAGAGCCAGTGCAGCCGAGTCTGGCAGGAAGGTGAGTGCACCATATTCTGAAACCTCTCAAT
CAAGAGGATCCCAATGCTCTACTAACCTATTTTGAAGCAACAGAATCTCCATCCAGTCCGGCACCC
AGTACCATATTCTGTGGAGGTTTGAACACGGAAGTTAATTAGCATTGACAGCACCTGTACAGAGATG
GGCAATTTTGACAATGCTAATGTCACTGGAGAAATAGAATTTGCCATTCAATTATTGCTTCAAAACCCAT
TCTTTAGAAATATGCATCAAGGCCTGTAAGAACCTTGCCTATGGAGAAGAAAAGAGAAAAGTGAAT
CCGTATGTGAAGACCTACCTGTTGCCCGACAGATCCTCCAGGGAAGCGCAAGACTGGAGTCCAAAGG
AACACCGTGGACCCGACCTTTCAGGAGACCTTGAAGTATCAGGTGGCCCTGCCAGCTGGTGACCCGG
CAGCTGCAGGTCTCGGTGTGGCATCTGGGCACGCTGGCCCGGAGAGTGTTTCTTGAGAAGTGATCATT
CCTCTGGCCACGTGGGACTTTGAAGACAGCACACACAGTCTTCCGCTGGCATCCGCTCCGGGCCAAG
GCGGAGAAATACGAAGACAGCGTTCTCAGAGTAATGGAGAGCTCACAGTCCGGGCTAAGCTGGTTCTC
CCTTCACGGGCCAGAAACTCCAAGAGGCTCAAGAAGGACAGATCAGCCATCACTTCATGGTCAACTT
TGTTTGGTAGTGCTAGGAGCCAAGAATTTACCTGTGCGGCCAGATGGCACCTTGAATCATTGTGTTAAG
GGCTGTCTCACTCTGCCAGACCAACAAAACCTGAGACTGAAGTCGCCAGTCTGAGGAAGCAGGCTTGC
CCCCAGTGAAACACTCATTTGTCTTCACTGGCGTAACCCAGCTCAGCTGAGGCAGTCAAGCTTGGAG
TTAACTGTCTGGGATCAGGCCCTCTTGAATGAACGACCGCTTGTGAGGAACAGACTTGGTTCA
AAGGGAGACACAGCTGTTGGCGGGGATGCATGCTCACTATCGAAGCTCCAGTGGCAGAAAGTCTTTCC
AGCCCCAATCTATGGACAGACATGACTTGTCTCTGCATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001009991

Insert Size: 1629 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001009991.3](#)

RefSeq Size: 2284 bp

RefSeq ORF: 1629 bp

Locus ID: 94120

UniProt ID: [Q4VX76](#)

Cytogenetics: 6q25.3

MW: 60.9 kDa

Gene Summary: The protein encoded by this gene belongs to a family of peripheral membrane proteins that play a role in vesicular trafficking. This protein binds phospholipids in the presence of calcium ions. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2016]

Transcript Variant: This variant (3) uses an alternate splice site in the 5' UTR and lacks two in-frame coding exons compared to variant 1. This results in a shorter isoform (2) compared to isoform 1. Variants 3 and 4 encode the same isoform (2).