

Product datasheet for **SC327676**

SYTL2 (NM_001162951) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SYTL2 (NM_001162951) Human Untagged Clone
Tag:	Tag Free
Symbol:	SYTL2
Synonyms:	CHR11SYT; EXO4; PPP1R151; SGA72M; SLP2; SLP2A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001162951, the custom clone sequence may differ by one or more nucleotides

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ATGATTGACTTAAGCTTCCTGACTGAAGAGGAACAAGAGGCCATCATGAAGGTTTTGCAG
CGGGATGCTGCTCTGAAGAGGGCCGAAGAAGAGAGAGTCAGACATTTGCCTGAAAAAATT
AAGGATGACCAGCAGCTGAAGAATATGAGTGGCCAATGGTTTTATGAAGCCAAGGCAAAA
AGGCACAGGGACAAAATCCATGGCGCAGATATCATCAGAGCATCTATGAGAAAAGAAGAGG
CCCCAGATAGCAGCTGAGCAGAGTAAAGACAGAGAAAATGGGGCAAAGGAAAGCTGGGTG
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GAAGAAGATGCAGCACCAGCAAGCCGAGTTCCAGTGTGGTAAATCCAGCTTCCAGTGTG
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CCGTTTAAAGCTCCAAGTTGCCAGAAGTCACTCATCACAACAACTAAAAATGAACAG
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GACTCCCTGAAAGCGAGAGGGGCTCCGAGAGGGATCCTCAAGCGCAACTCCAGTTCAGT
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CTTCCACAGAGTCTGGGCTAATCCATGGTCGGGAAGTAGGAGAATTTAGTGTTTTAGAA
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GTATCAAAAAGTGAACACATCAGCCAATGACTTCTGGTCTTTTCCAATTAATGGGCTG
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CCTGCTGATGAACTGTCTCATTGTGTTGAGCCTGAGCCATCTCAGGTGCCAGGTGGCAGT
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AGGAGTGGCGCTAGGAAAATGCCTTCCAAAAGTCTAGAAGACATTTTCATCAGATTCATCA
AATCAAGCAAAAGTAGATAATCAGCCAGAAGAATTAGTGCAGTGTGCTGAAGATGTTTCC
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AAGTCTGTTCCAGCATTTCTCCAAGATGAGAGTGTGACAGAGAAAACAGATACAGCATCA
GAAAGCAGTTACCAGCTCAGCAGACACAAGAAGAGCCCGAGCTCTTAACCAATCTTAGC
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TCACTGAAGGAGTTGCATGTTTTTGTGGCCAGTGAAGGACTTAGCAGCAGCGGATGTA
AAAAACAGCGTTCCAGACCCATATGTAAGGCCTATTTGCTACCAGACAAAAGGCAAAATG
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CGGTATAAAATGAAAAACAAATCTTAAAGACACAGAAATGAACCTGTCCATTTGGCAT
CGGGATACATTTAAGCGCAATAGTTTCTAGGGGAGGTGGAACCTGATTTGGAACATGG
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GAGCCAGTCCCTGGTAAAAAGCTTCTACAACCTGGAGAAGTGCACATCTGGGTGAAGGAA
TGCCTTGATCTACCAGTCTAAGGGGAAGTCACTAAATCTTTTGTAAATGTACCATC
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CCTATCTCAACCACACTATGGTGTATGATGGGTTCCAGGCCTGAAGATCTGATGGAAGCC
TGTGTAGAGCTTACTGTCTGGGACCATTACAAATTAACCAACCAATTTTGGGAGGTCTT
CGTATTGGCTTTGGAACAGGTAAAAGTTATGGGACTGAAGTGGACTGGATGGACTCTACT
TCAGAGGAAGTTGCTCTCTGGGAGAAGATGGTAACTCCCCAATACTTGATTGGAAGCA
ACACTGCCTCTCAGAATGCTTTTATTGATTGCAAGATTTCCAAA

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Restriction Sites: Please inquire

ACCN:	NM_001162951
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:	<ol style="list-style-type: none"> 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:	<u>NM_001162951.1</u> , <u>NP_001156423.1</u>
RefSeq Size:	4057 bp
RefSeq ORF:	2805 bp
Locus ID:	54843
UniProt ID:	<u>Q9HCH5</u>
Cytogenetics:	11q14.1
Gene Summary:	<p>The protein encoded by this gene is a synaptotagmin-like protein (SLP) that belongs to a C2 domain-containing protein family. The SLP homology domain (SHD) of this protein has been shown to specifically bind the GTP-bound form of Ras-related protein Rab-27A (RAB27A). This protein plays a role in RAB27A-dependent vesicle trafficking and controls melanosome distribution in the cell periphery. Alternative splicing results in multiple transcript variants encoding distinct isoforms.[provided by RefSeq, Jun 2009]</p> <p>Transcript Variant: This variant (g) differs in the 5' UTR, and lacks an alternate in-frame exon but includes a different in-frame exon in the central coding region, compared to variant a. The encoded isoform (g, also known as Slp2a-hem) is longer than isoform a.</p>