

Product datasheet for **SC327645**

SYTL5 (NM_001163334) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SYTL5 (NM_001163334) Human Untagged Clone
Tag:	Tag Free
Symbol:	SYTL5
Synonyms:	slp5
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_001163334, the custom clone sequence may differ by one or more nucleotides

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ATGTCTAAGAAGCTCAGAGTTCATCAATCTGTCATTTTTATTAGATCATGAGAAGGAAATG
ATCCTGGGCGTCTAAAGAGAGATGAATATTTGAAAAAAGTGGAGGACAAGAGAATAAGG
AAGCTGAAAAATGAACTTTAGAAGCAAACGTAGAAGTGGGAAAACCAACAAGAGGCC
AGCAGAGTTTGTGTTCACTGTACAGAAACCTGGGCCTAATCTTTGACCGGGGAGACCCT
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CAGTCCATTTTAAAGAAGAAGTCCAGGAGCTGAAGAAGTACAGAGCCAAGAGCAAACCCGC
CAGGATGCAGAAAAGTACAGACACTTACCTGTTGCTGGGAAGAAGGCCAGCCATGATGGG
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CAGAGTTCACCAGCCCCAAGCACACGAACCTGTGACCTCAGTCATCAGTAGAGAGTATGGT
TTTGAATAATCCATGGATTTGGCTGCTATTGAAGGTACCTCTCAGGAGCTCACAAGAGT
CACCGCAGAAAACACTTCTGGCACACCTTCCATAGCAGTGTCTGGAACCTCTCTCTCTCA
GATCAGAGTCGATCTGAGTTAGATTTGAGTGAGTCATTTACAGAAGACTCAGAGGATACT
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TACACTATCAGCCATACCCAGCTGGAAACAAGAACTCTGCAGCTCTCAGTCTGGCACTAT
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TTTGAATAATCCAAGTATGAGTGGTTTGTGCTTCAACCAAGGTGGAGTTTGTCTCTGAT
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AACCTGATGCTTCCACCAGAACAACCTCAAGGAAATAAGACTTTTAAAAAGGGAAAGAAG
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TTGACAGCAGTGAAGTCAAGGAGGCACTTCTGATAGCTTTGTGAAGGGCTACCTGCTCCCT
GATGATAGCAAAGCCACCAAGCACAAAACCTCTGGTAATAAAAAAGAGTGTAAACCCTCAG
TGGAAATCATACATTATGTTTCAAGTGGCATCCATCCCCAGGATATAAAGAATGTTTGCCTA
GAACCTACTATCTGGGACAAGGAGGCTTTTCCAGCAACATCTTCTGGGAGGAGTTCGT
TTGAATCTGGAAGTGGTGTGAGCCATGGGAAGAAGCTGGATTGGATGGACTCTCAGGGG
GAAGAGCAGCGCCTTTGGCAGAAGATGGCCAACAACCTTGGAACTCCCTTTGAGGGTGTA
CTCATGCTTCGTTCCAGCATGGGAAAATGTAGGCTC

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Restriction Sites: Please inquire

ACCN: NM_001163334

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_001163334.1</u> , <u>NP_001156806.1</u>
RefSeq Size:	4709 bp
RefSeq ORF:	2259 bp
Locus ID:	94122
UniProt ID:	<u>Q8TDW5</u>
Cytogenetics:	Xp11.4
Gene Summary:	<p>The protein encoded by this gene belongs to the synaptotagmin-like (Slp) protein family, which contains a unique homology domain at the N-terminus, referred to as the Slp homology domain (SHD). The SHD functions as a binding site for Rab27A, which plays a role in protein transport. Expression of this gene is restricted to placenta and liver, suggesting that it might be involved in Rab27A-dependent membrane trafficking in specific tissues. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2009]</p> <p>Transcript Variant: This variant (3) contains an in-frame coding exon missing in variant 1, resulting in a longer isoform (2) with an additional 22 aa protein segment compared to isoform 1.</p>