

## Product datasheet for **SC337649**

### **SYTL2 (NM\_001289608) Human Untagged Clone**

#### **Product data:**

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids                           |
| Product Name:             | SYTL2 (NM_001289608) Human Untagged Clone     |
| Tag:                      | Tag Free                                      |
| Symbol:                   | SYTL2   |
| Synonyms:                 | CHR11SYT; EXO4; PPP1R151; SGA72M; SLP2; SLP2A |
| Mammalian Cell Selection: | Neomycin                                      |
| Vector:                   | pCMV6-Entry (PS100001)                        |
| E. coli Selection:        | Kanamycin (25 ug/mL)                          |



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001289608, the custom clone sequence may differ by one or more nucleotides

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ATGAGTGGCCAATGGTTTTATGAAGCCAAGGCCAAAAGGCACAGGGACAAAATCCATGGCGCAGATATCA
TCAGAGCATCTATGAGAAAAGAGGCCCCAGATAGCAGCTGAGCAGAGTAAAGACAGAGAAAATGGGGC
AAAGGAAAGCTGGGTGAATAATGTCAACAAAGATGCTTTCCTCCAGAGCTGGCTGGCGTTGTAGAA
GAGCCAGAAGAAGATGCAGCACCAGCAAGCCGAGTCCAGTGTGGTAAATCCAGCTTCCAGTGTGATTG
ATATGTCCAGGAAAAACAAGGAAACCAATGTGTCTCCAGAGAAGAGGAAGAATCCGTTAATAGCTC
CAAGTTGCCAGAAGGTCACCTCATCACAACAACTAAAAATGAACAGTCAAAAAATGGAAGAAGTGGTTA
TTTCAGACTTCAAAGAGGATGAATTGTGAGAGTCAAAGAAAAGTCAACTGTGCGAGATACTTCAATCC
AAAAGTTAGAGAAATCAAAGCAGACTTTGCCAGGCCTTCAAATGGGTCCCAAATCAAGGCTCCAATCCC
CAAAGCCAGGAAGATGATCTACAAATCAACTGATTTAAACAAAGATGATAACCAGTCTTTTCTAGACAA
AGGACAGACTCCCTGAAAGCGAGAGGGGCTCCGAGAGGGATCCTCAAGCGCAACTCCAGTCCAGTAGCA
CAGACTCAGAAACCTTCGTTAATCACAACCTTGAACCCAAAAGCAAAATTGTGTACCTGGCCTAAC
CATCCATGAGAGAATTTCTGAGAAGGAGCATTCTTTAGAAGACAACCTTCCCCAAAACCTCTGGAGCCA
TTAAAGCATGTGAGATTCTGTGAGTGAAGGATGAGCTTCCACAGAGTCTGGGCTAATCCATGGTCCGG
AAGTAGGAGAATTTAGTGTGTTTGAATCTGACAGATTGAAAAATGGAATGGAAGATGCAGGGGACACAGA
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CCATATGTATCAAAAAGTGAACACATCAGCCAATGACTTCTGGTCTTTTCCAATTAATGGGCTGCATT
CTCATTGAGAAGTTTTAACTGCAAGACCACAGTCTATGGAGAATTCACCAACCATCAATGAACCCAAAGA
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GTTGAGCCTGAGCCATCTCAGGTGCCAGGTGGCAGTTCTAGAGACCGTCAGCAAGGTTGAGAAGAAGAAC
CCAGTCCGTGTTTTGAAAACCTTGGAAAGGAGTGCCGCTAGGAAAATGCCTTCCAAAAGTCTAGAAGACAT
TTCATCAGATTCAAAATCAAGCAAAAGTAGATAATCAGCCAGAAGAATTAGTGCGTAGTGTGAAGAT
GATGAGAAACCAGATCAGAAGCCAGTTACAAATGAATGCGTACCAAGAATTTCCACAGTGCTACACAAC
CTGATAATCCATTTTCTCACCTGACAACTCAAAGGATGAGCAAGTCTGTTCCAGATTTCTCCAAGA
TGAGAGTGATGACAGAGAAACAGATACAGCATCAGAAAGCAGTTACCAGCTCAGCAGACACAAGAAGAGC
CCGAGCTCTTAAACCAATCTTAGCAGCTCCTCTGGCATGACGTCCTTGTCTTCTGTGAGTGGCAGTGTGA
TGAGTGTATATAGTGGAGACTTTGGCAATCTGGAAGTTAAAGGAAATATTCAGTTTGAATGAATATGT
GGAGTCACTGAAGGAGTGCATGTTTTTGTGGCCAGTGAAGGACTTAGCAGCAGCGGATGTAACAAAAA
CAGCGTTCAGACCCATATGTAAGGCCTATTTGCTACCAGACAAAGGCAAAATGGGCAAGAAGAAAACAC
TCGTAGTGAAGAAAACCTTGAATCCTGTGTATAACGAAATACTGCGGTATAAAATGAAAAACAAATCTT
AAAGACACAGAAATGAACCTGTCCATTTGGCATCGGGATACATTTAAGCGCAATAGTTTCTAGGGGAG
GTGGAACCTGATTTGAAAACATGGGACTGGGATAACAAACAGAATAAACAAATTGAGATGGTACCCTCTGA
AGCGGAAGACAGCACCAGTTGCCCTTGAAGCAGAAAACAGAGGTGAAATGAAACTAGCTCCTCAGATATGT
CCCAGAGCCAGTCCCTGGTAAAAAGCTTCTACAACCTGGAGAAGTGCACATCTGGGTGAAGGAATGCCTT
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GGAAAAGTCGCCAGAAGACAAGAGCTGTAGGGAAAACCAACCCATCTTCAACCACACTATGGTGTGA
TGATGGGTTGAGCCTGAAGATCTGATGGAAGCCTGTGTAGAGCTTACTGTCTGGGACCATTACAATAA
ACCAACCAATTTTTGGGAGGTCTTCGATTGGCTTTGGAACAGGTAAAAGTTATGGGACTGAAGTGGACT
GGATGGACTCTACTTCAGAGGAAGTTGCTCTCTGGGAGAAGATGGTAAACTCCCCAATACTTGGATTGA
AGCAACACTGCCTCTCAGAAATGCTTTTGTGTTGCAAGATTTCCAAATGA
    
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**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001289608

|                               |  |
|-------------------------------|--|
| <b>OTI Disclaimer:</b>        | 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).   |
| <b>Components:</b>            | 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).   |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>  |
| <b>RefSeq:</b>                | <a href="#">NM_001289608.1</a> , <a href="#">NP_001276537.1</a>  |
| <b>RefSeq Size:</b>           | 3951 bp  |
| <b>RefSeq ORF:</b>            | 2709 bp  |
| <b>Locus ID:</b>              | 54843  |
| <b>UniProt ID:</b>            | <a href="#">Q9HCH5</a>   |
| <b>Cytogenetics:</b>          | 11q14.1  |
| <b>Gene Summary:</b>          | <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 (j) lacks an alternate exon in the 5' region, resulting in translation initiation at a downstream in-frame start codon, and it also includes an additional in-frame exon in the central coding region, compared to variant a. The encoded isoform (j) is shorter at the N-terminus, compared to isoform a.</p> |