

## Product datasheet for **SC313962**

### **SYTL1 (NM\_032872) Human Untagged Clone**

#### **Product data:**

|                           |                                        |
|---------------------------|----------------------------------------|
| Product Type:             | Expression Plasmids                    |
| Product Name:             | SYTL1 (NM_032872) Human Untagged Clone |
| Tag:                      | Tag Free                               |
| Symbol:                   | SYTL1                                  |
| Synonyms:                 | JFC1; SLP1                             |
| Mammalian Cell Selection: | None                                   |
| Vector:                   | <u>pCMV6-XL5</u>                       |
| E. coli Selection:        | Ampicillin (100 ug/mL)                 |



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**Fully Sequenced ORF:** >OriGene sequence for NM\_032872 edited  
 GAAACTCGGCTGCCAGGGGAGCTGGAGCCACCTGCGAAGGTGTCTCCCATCTGAGACCC  
 CTACAGGAAGCTCCGTGTGCCAGCTGGGGCACAGCCCCAGCTGATGCCCCAGAGGGGCC  
 ACCCATCGCAAGAGGGGCTTTGGGCTCTGCCCTCCCTCCCATGGCGCATGGGCCAAAGC  
 CTGAGACTGAAGGACTGTTGGACCTCAGTTCTGACAGAGGAGGAGCAGGAGGCCATTG  
 CTGGCGTCTCTCAACGAGATGCCCGCTGCGCCAGCTGGAGGAGGGGCGGTGAGCAAGC  
 TCCGGGCTCAGTGGCAGACCTGGGCAGCTGAAGATCCTGACAGGGGACTGGTTCCAGG  
 AAGCACGCTCCCAGCGGCACCAATGCCCACTTCGGCTCTGACCTTGTCCGAGCGTCTA  
 TGCAGAGGAAGAAGAGCACCAGGGGAGACCAGGCTCCAGGCCACGACAGGAGGCTGAGG  
 CTGCTGTGAAAGAGAAGGAAGAGGGGCCAGAGCCCAGGCTCACCATTGATGAGGCCCTC  
 AGGAGAGGCTCAGGGAGACTGAGGCTTCAGATCCTGAGGAGGCGTCCCAGGCCAGGAAG  
 ATCCTGGCCAAGGAGACCAACAGGTCTGTGCCGAGGAGGCTGACCCGAGCTGGAGCCCG  
 CGTCGGGGGAGAGCAGGAGCCGCGGCCCCAGCAAGCCCAGACCAAGGCCGCTCCAGA  
 TCCTGGAGAATGGGGAGGAGGCCCGGGGCCGACCCCTCTCTGACCGCATGCTCAGCA  
 GCAGCTCCTCGGTGTCCAGCCTTAACCTCTCCACGCTGAGCGGCAGCCAGATGAGCCTGT  
 CAGGCGACGCGGAGGCGGTGACAGTCCGCGGCTCCGTGCACTTCGCGCTGCACTACGAGC  
 CGGGCGCGCCGAGCTGCGCGTGCACGTGATCCAGTGCCAGGGCCTGGCCGCCGCCGGC  
 GCCGCCGCTCGGACCCCTACGTCAAAAGCTACCTCCTCCCGGATAAGCAGAGCAAGCGCA  
 AGACGGCGGTGAAGAAACGGAATCTGAATCCGGTTTTCAACGAGACTCTCCGGTACTCCG  
 TCCCGCAGGCCGAGCTTCAGGGCCGCGTGTGAGCCTGTCTGTGTGGCACCGGAAAGCC  
 TGGGTGCAACATCTTTCTGGGCGAAGTTGAAGTGCCCTGGACACGTGGGACTGGGGCT  
 CTGAGCCACCTGGCTCCCCCTGCAGCCCCGGGTCCCACCCTCTCCGACGACCTTCCGA  
 GCCGCGGGTTACTCGCCCTGTCCCTCAAGTACGTCCCCGCGGCTCCGAGGGCGCAGGAC  
 TGCCCCCGAGCGGGAGCTGCACCTTCTGGGTGAAGGAGGCTCGGGACCTCCTGCCGCTGC  
 GGGCAGGATCCCTGGACACTTACGTACAATGCTTCGTGCTGCCTGATGACAGCCAGGCCA  
 GCCGCCAGCGTACAAGGTTGTGCGACGCAGCCTCAGCCCTGTGTTCAATCACACCATGG  
 TGTACGATGGCTTTGGGCTGCTGACCTGCGCCAGGCTTGTGCCGAGCTCTCCCTCTGGG  
 ACCATGGGGCCCTGGCCAACCGCCAGCTGGGGGGCACACGCTCAGCCTGGGCACCGGCA  
 GCAGCTATGGGCTGCAGGTGCCCTGGATGGATTCCACACCTGAGGAGAAGCAGCTGTGGC  
 AAGCCCTCCTGGAGCAGCGTGCGAATGGGTGGATGGCCTTCTACCCCTCAGAACCAACC  
 TGGCCCCCAGGACGTAGCCCCACCAAGCCTCTCTCTTGACCCCATCTCAGGGCCTGC  
 CCTTGGCTAAAGTCAATAAAGTCTATTCTAAGAGCAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_032872

**Insert Size:** 2100 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).

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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>                | <u>NM_032872.1, NP_116261.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>RefSeq Size:</b>           | 1898 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 1653 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 84958                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>UniProt ID:</b>            | <u>Q8IYJ3</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cytogenetics:</b>          | 1p36.11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Domains:</b>               | C2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Gene Summary:</b>          | <p>May play a role in vesicle trafficking (By similarity). Binds phosphatidylinositol 3,4,5-trisphosphate. Acts as a RAB27A effector protein and may play a role in cytotoxic granule exocytosis in lymphocytes (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses a different splice site in the coding region, compared to variant 1. The resulting protein (isoform 2) is shorter when it is compared to isoform 1.</p>                                                |