

## Product datasheet for **SC125760**

### **SYTL1 (BC035725) Human Untagged Clone**

#### **Product data:**

|                           |                                                                                   |
|---------------------------|-----------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                               |
| Product Name:             | SYTL1 (BC035725) Human Untagged Clone                                             |
| Tag:                      | Tag Free                                                                          |
| Symbol:                   | SYTL1                                                                             |
| Synonyms:                 | 9030417L18; JFC1; MGC7008; OTTMUSP00000011227; PSG1-1; Slp1; synaptotagmin-like 1 |
| Mammalian Cell Selection: | None                                                                              |
| Vector:                   | <u><a href="#">pCMV6-XL5</a></u>                                                  |
| E. coli Selection:        | Ampicillin (100 ug/mL)                                                            |



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**Fully Sequenced ORF:**

>OriGene sequence for BC035725 edited  
 GAAACTCGGCTGCCAGGGGAGCTGGAGCCACCTGCGAAGGTGTCTCCCATCTGGACCC  
 CTACAGGAAGCTCCGTGTGCCAGCTGGGGCACAGCCCCAGCTGATGCCCCAGAGGGGCC  
 ACCCATCGCAAGAGGGGCTTTGGGCTCTGCCCTCCCTCCCATGGCGCATGGGCCAAAGC  
 CTGAGACTGAAGGACTGTTGGACCTCAGTTCTGACAGAGGAGGAGCAGGAGGCCATTG  
 CTGGCGTCTCTCAACGAGATGCCCGCTGCGCCAGCTGGAGGAGGGGCGGGTCAGCAAGC  
 TCCGGGCTCAGTGGCAGACCTGGGCGAGCTGAAGATCCTGACAGGGGACTGGTTCCAGG  
 AAGCACGCTCCCAGCGGCACCAATGCCCACTTCGGCTCTGACCTTGTCCGAGCGTCTA  
 TGCAGGAGGAAGAGCACCAGGGGAGACCAGGCTCCAGGCCACGACAGGAGGCTGAGG  
 CTGCTGTGAAAGAGAAGGAAGAGGGGCCAGAGCCAGGCTCACCATTGATGAGGCCCTC  
 AGGAGAGGCTCAGGGAGACTGAGGGACCTGATTTCCCATCGCCTTCTGTCCCCCTAAAGG  
 CTTAGATCCTGAGGAGGCTGCCAGGCCAGGAAGATCCTGGCCAAGGAGACCAACAGG  
 TCTGTGCCGAGGAGGCTGACCCGAGCTGGAGCCCGCTCGGGGGAGAGCAGGAGCCGC  
 GGCCCCAGCAAGCCAGACCAAGGCCGCTCCAGATCCTGGAGAATGGGAGGAGGCC  
 CGGGGCCGACCCCTCTCTCGACCGCATGCTCAGCAGCAGCTCCTCGGTGCCAGCCTTA  
 ACTCTCCACGCTGAGCGGCAGCCAGATGAGCCTGTGAGCGACGCGAGGCGGTGACAGG  
 TCCGCGGCTCCGTGCACTTCGCGCTGCACTACGAGCCGGGCGCCGCCGAGCTGCGCGTGC  
 ACGTGATCCAGTGCCAGGGCTGGCCGCGCCGCGCGCCGCTCGGACCCCTACGTCA  
 AAAGCTACCTCTCCCGGATAAGCAGAGCAAGCGCAAGACGGCGGTGAAGAAACGGAATC  
 TGAATCCGGTTTTCAACGAGACTCTCCGGTACTCCGTCCCGCAGGCCGAGCTTCAGGGCC  
 GCGTGCTGAGCCTGTCTGTGTGGCACCGCGAAAGCCTGGGTGCGAACATCTTTCTGGGCG  
 AAGTTGAAGTGCCCTGGACACGTGGGACTGGGCTCTGAGCCCACCTGGCTCCCCCTGC  
 AGCCCCGGTCCCACCTCTCCCGACGACCTTCGAGCCGCGGGTTACTCGCCCTGTCCC  
 TCAAGTACGTCCCGCGCGCTCCGAGGGCGCAGGACTGCCCCGAGCGGGGAGCTGCACT  
 TCTGGGTGAAGGAGGCTCGGGACCTCCTGCCGCTGCGGGCAGGATCCCTGGACACTTACG  
 TACAATGCTTCGTGCTGCCTGATGACAGCCAGGCCAGCCGACGCTACAAGGTTGTGC  
 GACGCAGCCTCAGCCCTGTGTTCAATCACACCATGGTGTACGATGGCTTTGGGCTGCTG  
 ACCTGCGCCAGGCTTGCGCGAGCTCTCCCTCTGGGACCATGGGGCCCTGGCCAACCGCC  
 AGCTGGGGGGCACACGCTCAGCCTGGGCACCGGCAGCAGCTATGGGCTGCAGGTGCCCT  
 GGATGGATTCCACACCTGAGGAGAAGCAGCTGTGGCAAGCCCTCCTGGAGCAGCCGTGCG  
 AATGGGTGGATGGCTTCTACCCCTCAGAACCAACCTGGCCCCCAGGACGTAGCCCCACC  
 AAGCCTCTCTCTGACCCCCATCTCAGGGCCTGCCCTTGGCTAAAGTCAATAAAGTCT  
 ATTCTAAGAGCAAAAAAAAAAAAAAAAAAAAAA

**5' Read Nucleotide Sequence:**

>OriGene 5' read for BC035725 unedited  
 TCAGTTNCTNNGGTACCGGTCCGGTAATTCGCGGATGAAACTCGGCTGCCAGGGGAGCT  
 GGAGCCACCTGCGAAGTGTCTCCCATCTGGACCCCTACAGGAAGCTCCGTGTGCCAG  
 CTGGGGCACAGCCCAGCTGATGCCCCAGAGGGGCCACCATCGCAAGAGGGGCTTTGGG  
 CTCTGCCCTCCCTCCCATGGCGCATGGGCCAAAGCCTGAGACTGAAGGACTGTTGGACC  
 TCAGCTTCTGACAGAGGAGGAGCAGGAGGCCATTGCTGGCGTCTCCAACGAGATGCC  
 GCCTGCGCCAGCTGGAGGAGGGGCGGTGAGCAAGCTCCGGGCTCAGTGGCAGACCTG  
 GGCAGCTGAAGATCCTGACAGGGGACTGGTTCAGGAAGCAGCTCCAGCGGCACCACA  
 ATGCCCACTTCGGCTCTGACCTTGTCCGAGCGTCTATGCGCAGGAAGAAGAGCACCAGG  
 GAGACCAGGCTCCAGGCCACGACAGGGAGGCTGAGGCTGCTGTGAAAGAGAAGGAAGAGG  
 GGCCAGAGCCCAGGCTCACCATTGATGAGGCCCTCAGGAGAGGCTCAGGGAGACTGAGG  
 GACCTGATTTCCATCGCCTTCTGTCCCCCTAAAGGCTTCAGATCCTGAGGAGGCGTCCC  
 AGGCCCAGGAAGATCCTGGCCAANGAGACCAACAGGTCTGTGCCGAGGAGGCTGACCCGG  
 AGCTGGAGCCCGCTCGGGGGGAGAGCANGAGCCGCGGCCCCAGCAGCCAGACCAAGGC  
 CGCGTCCCANATCCTGGAGAATGGGGAGGGAGCCCCCGGGCCGACCCCTCTCTCGACC  
 GCATGCTCAGCANAGCTTCCTCGTGTTACG

**Restriction Sites:**

Please inquire

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ACCN:</b>                  | BC035725                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <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>                | <u><a href="#">BC035725.1</a></u> , <u><a href="#">AAH35725.1</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>RefSeq Size:</b>           | 1896 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 84958                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Cytogenetics:</b>          | 1p36.11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Gene Summary:</b>          | 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]                                                                                                                                                                                                                                                            |