

## Product datasheet for **RC229010**

### **SYTL5 (NM\_001163334) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	SYTL5 (NM_001163334) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SYTL5
Synonyms:	slp5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC229010 representing NM\_001163334  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCTAAGAAGCTCAGAGTTCATCAATCTGTCTATTTTATTAGATCATGAGAAGGAAATGATCCTGGGCG  
 TCCTAAAGAGAGATGAATATTTGAAAAAGTGGAGGACAAGAGAATAAGGAAGCTGAAAAATGAACCTT  
 AGAAGCAAACGTAGAAGTGGGAAAACTCAACAAGAGGCCAGCAGAGTTTGTGTTCACTGTACAGAAAAC  
 CTGGGCTAATCTTTGACCGGGGAGACCCTTGTCAAGGCTTGTCACTGAGGGTATGCAGGGAGTGTGAG  
 TTGCAGGCCCAATGGCAGCTGGAAGTGCAGTGTCTGTGACAAAAATCGCGCAGCTAAGGATTATAACTGG  
 TGAGTGGTTTTTTGAAGAAAAGGCAAAACGTTTTCAAGCAAGTCAATGTTCTCGGCACTGATGTTGTCCGA  
 CAGTCCATTTTAAAGAAGTCCAGGAGCTGAAGAAGTACAGAGCCAAGAGCAAACCCGCCAGGATGCAG  
 AAAAGTCAGACACTTCACCTGTTGCTGGGAAGAAGGCCAGCCATGATGGGCCAAGAGAAAGGGATTCT  
 TCTTAGCAAGTTCAGATCGGCAACCAGAGGAGAAATCATAACTCCAAAACCTGACTGGCGGAGCTAT  
 AGCTTGGACTTAGACGGTCAACATTTTCGGAGTTTAAAAACACCTCCTGGTTGACAGGGGAAGCACTG  
 GCTCATCAGATCTCAATGACCAGGAACCTGGTCTTAGGACCCGAAGAGCAGTCCGGAGCAATGGTGTGAC  
 CCCAGGCACTCAGAGTTCACCAGCCCAAGCACGAACTGTGACCTCAGTCATCAGTAGAGAGTATGGT  
 TTTGAAAATCCATGGATTTGGCTGCTATTGAAGTACCTCTCAGGAGCTCACAAGAGTACCAGCAGAA  
 ACACCTTGGCACACCTCCATAGCAGTGTCTGGAACCTCTCTCCTCAGATCAGAGTCGATCTGAGTT  
 AGATTTGAGTGAATCATTACAGAAGACTCAGAGGACTGTAAGCATAAGAAGCAAGTCTGTCCCTGGG  
 GCTTTAGACAAGGACTCCTTGGAAAGACTGAAGAAAGCATTGATGCCTTAGTGTCTCGCAGTTATCTA  
 CAAACACTCACCGTCTGGCAAGTGGCCTATCAACTAGTTCTCAAGCAGGTTCTGACAGAAAGTGGACCTA  
 CCTAAATGTGCCTGATGCTGACTCAGACACTACCAGCCTTAACAGCATGATGAGCGTTTACAGTGAACG  
 GGAGACTATGGCAACGTGAAAGTCAAGTGGTGAATCCTTCTCATATCAGCTACTGCTACAAAACCTGGT  
 GGCTGTACATTTTGTCAAGAATTGCAGAAATCTGGCCATAGGAGATGAAAAGAAACAGAGGACAGATGC  
 TTATGTCAAGTCATATCTTCTCCTGACAAGTCCCGGAACAACAAGCGTAAGACCAAAATCAGAACAGGC  
 ACCAATCCAGAATTCAATGAAACACTAAAGTACACTATCAGCCATACCCAGCTGGAACAAGAACTCTGC  
 AGCTCTCAGTCTGGCACTATGATCGATTTGGACGTAATAGCTTCTCGGGGAAGTAGAGATTCCTTTTGA  
 CTCATGGAACCTTTGAAAATCCAACCTGATGAGTGGTTTGTGCTTCAACCAAGGTGGAGTTTGTCTCTGAT  
 ATTTGGCCTTCAATACAAAGGAGAGCTGACAGTTGTTTACGTTACATTCCTCCAGAGAGAACCTGATGC  
 TTCCACCAGAACAACCTCAAGGAAATAAGACTTTTAAAAAGGGAAAGAAGAGGAGTACCTGTAATCTC  
 TGGAGGAATACTAGAAGTGTTCATCAAAGAGGCAAGAATTTGACAGCAGTGAAGTCAGGAGGCACTTCT  
 GATAGCTTTGTGAAGGGCTACCTGCTCCCTGATGATAGCAAAGCCACCAAGCACAAAACCTGGTAATAA  
 AAAAGAGTGTAAACCCTCAGTGGAAATCATACATTCATGTTTCAAGTGGCATCCATCCCAGGATATAAGAA  
 TGTTTGCCTAGAACTTACTATCTGGGACAAGGAGGCTTTTCCAGCAACATCTTCTGGGAGGAGTTCGT  
 TTGAATTCTGGAAGTGGTGTGAGCCATGGGAAGAACGTGGATTGGATGGACTCTCAGGGGAAGAGCAGC  
 GCCTTTGGCAGAAGATGGCCAACAACCTGGAACCTCCCTTTGAGGGTGTACTCATGCTTCGTTCCAGCAT  
 GGGAAAATGTAGGCTCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC229010 representing NM\_001163334  
Red=Cloning site Green=Tags(s)

MSKNSEFINLSFLLDHEKEMILGVLKRDEYLKVKVEDKRIKRLKNELLEAKRRSGKTQQEASRVCVHCHRN  
 LGLIFDRGDPCQACSLRVCRECRVAGPNGSWKCTVCDKIAQLRIITGEWFEEKAKRFKQVNVLGTDVVR  
 QSILRRSPGAEVQSQEQTRQDAEKSDTSPVAGKKASHDGPKRKGFLLSKFRSATRGEIITPKTDTGRSY  
 SLDLDGQHFRLKSPPGSDRGSTGSSDLNDQEPGPRTPKSSRSNGVTPGTQSSPAPSTRVTSVISREYG  
 FENSMDLAAIEGTSQELTKSHRRNTSGTPSIAVSGTSLSSDQSRSELDLSESFTEDESDTVSIRKSVPG  
 ALDKDSLSEETESIDALVSSQLSTNTHRLASGLSTSSQAGSDRKWYLNVPDADSDTSLNSMMSVYSET  
 GDYGNVVKVSGEILLHISYCYKTGGLYIFVKNCRNLAIGDEKKQRTDAYVKSYPKSRNNKRKTKIRTG  
 TNPEFNETLKYTISHTQLETRTLQLSVWHYDRFGRNSFLGEVEIPFDSWNFENPTDEWFLQPKVEFAPD  
 IGLQYKGETLVVLRYPPEENLMLPPEQLQGNKTFKKGKKKESPVISGGILEVFIKEAKNLAVKSGGTS  
 DSFVKGYLLPDDSKATKHKTLVIKKSVPQWNHTFMFSGIHPQDIKNVCELELTIWDKEAFSSNIFLGGVR  
 LNSGSGVSHGKNVDWMSQGEQRLWQKMANNGTPFEGVLMRLRSSMGKCR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001163334

**ORF Size:** 2257 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:**

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:** [NM\\_001163334.1](#), [NP\\_001156806.1](#)

**RefSeq Size:** 4709 bp

**RefSeq ORF:** 2259 bp

**Locus ID:** 94122

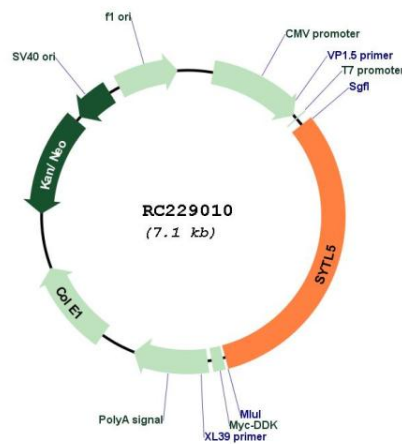
**UniProt ID:** [Q8TDW5](#)

**Cytogenetics:** Xp11.4

**MW:** 83.9 kDa

**Gene Summary:** 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]

### Product images:



Circular map for RC229010