

Product datasheet for SC308329

SYTL2 (NM_206929) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SYTL2 (NM_206929) 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)
Fully Sequenced ORF:	>SC308329 representing NM_206929. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGCAAGTCTGTTCCAGCATTCTCCAAGATGAGAGTGATGACAGAGAAAACAGATACAGCATCAGAA
AGCAGTTACCAGCTCAGCAGACACAAGAAGAGCCCGAGCTCTTTAACCAATCTTAGCAGCTCCTCTGGC
ATGACGTCCTTGCTTCTGTGAGTGCCAGTGTGATGAGTGTTATAGTGGAGACTTTGGCAATCTGGAA
GTTAAAGGAAATATTCAGTTTGAATTGAATATGTGGAGTCACTGAAGGAGTTGCATGTTTTTGTGGCC
CAGTGTAAGGACTTAGCAGCAGCGGATGTAAAAAACAGCGTTCAGACCCATATGTAAGGCCTATTTG
CTACCAGACAAAGCAAAATGGCAAGAAGAAAACACTCGTAGTGAAGAAAACCTGAATCCTGTGTAT
AACGAAATACTGCGGTATAAAATTGAAAAACAAATCTTAAAGACACAGAAATTGAACCTGTCCATTTGG
CATCGGGATACATTTAAGCGCAATAGTTTCTAGGGGAGGTGGAACCTGATTTGAAACATGGGACTGG
GATAACAAACAGAATAAACAATTGAGATGGTACCCCTCTGAAGCGGAAGACAGCACCAGTTGCCCTTGAA
GCAGAAAACAGAGGTGAAATGAACTAGCTCTCCAGTATGTCCCAGAGCCAGTCCCTGGTAAAAAGCTT
CCTACAACCTGGAGAAGTGACATCTGGGTGAAGGAATGCCTTGATCTACCACTGCTAAGGGGAAGTCAT
CTAAATCTTTTGTAAATGTACCATCCTTCCAGATAACAAGTAGGAAAAGTCGCCAGAAGACAAGAGCT
GTAGGGAAAACCAACCCATCTTCAACCACACTATGGTGTATGATGGGTTCCAGCCTGAAGATCTG
ATGGAAGCCTGTGTAGAGCTTACTGTCTGGGACCATTACAAATTAACCAACCAATTTTTGGGAGGCTT
CGTATTGGCTTTGGAACAGGTAAGTAAAGTTATGGGACTGAAGTGGACTGGATGGACTACTTCAGAGGAA
GTTGCTCTCTGGGAGAAGATGGTAAACTCCCCAATACTTGGATTGAAGCAACACTGCCTCTCAGAAATG
CTTTTGATTGCCAAGATTTCCAAATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:	□
ACCN:	NM_206929
Insert Size:	1131 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).
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:	NM_206929.3
RefSeq Size:	2476 bp
RefSeq ORF:	1131 bp
Locus ID:	54843
UniProt ID:	Q9HCH5
Cytogenetics:	11q14.1
MW:	42.7 kDa
Gene Summary:	<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 (e) lacks several 5' exons but contains an alternate 5' exon, and it thus differs in its 5' UTR and initiates translation at a downstream in-frame start codon, and it also includes an additional in-frame exon, compared to variant a. The encoded isoform (b) is shorter at the N-terminus, compared to isoform a.</p>