

Product datasheet for **RG218076**

SYTL2 (NM_032379) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SYTL2 (NM_032379) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SYTL2
Synonyms:	CHR11SYT; EXO4; SGA72M; SLP2; SLP2A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG218076 representing NM_032379 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCAAGTCTGTTCCAGCATTCTCCAAGATGAGAGTGATGACAGAGAAACAGATACAGCATCAGAAA
GCAGTTACCAGCTCAGCAGACACAAGAAGACGCCGAGCTCTTAAACCAATCTTAGCAGCTCCTCTGGCAT
GACGTCCTTGCTTCTGTGAGTGGCAGTGTGATGAGTGTTATAGTGGAGACTTTGGCAATCTGGAAGTT
AAAGGAAATATTCAGTTTGAATTGAATATGTGGAGTCACTGAAGGAGTTGCATGTTTTTGTGGCCAGT
GTAAGGACTTAGCAGCAGCGGATGTAACAAAAACAGCGTTCAGACCCATATGTAAGGCCTATTTGCTACC
AGACAAAGGCAAAATGGGCAAGAAGAAAACACTCGTAGTGAAGAAAACCTTGAATCCTGTGTATAACGAA
ATACTGCGGTATAAAATTGAAAAACAAATCTTAAAGACACAGAAATTGAACCTGTCCATTTGGCATCGGG
ATACATTTAAGCGCAATAGTTTCTAGGGGAGGTGGAACCTTGATTTGAAACATGGGACTGGGATAACAA
ACAGAATAACAATTGAGATGGTACCCTCTGAAGCGGAAGACAGCACCAGTTGCCCTTGAAGCAGAAAAAC
AGAGGTGAAATGAACTAGCTCTCCAGTATGCCAGAGCCAGTCCCTGGTAAAAAGCTTCTACAACCTG
GAGAAGTGCACATCTGGGTGAAGGAATGCCTTGATCTACCACTGCTAAGGGGAAGTCATCTAAATCTTT
TGTTAAATGTACCATCCTCCAGATAACAAGTAGGAAAAGTCGCCAGAAGACAAGAGCTGTAGGGAAAACC
ACCAACCTATCTCAACCACACTATGGTGTATGATGGGTTTAGGCTGAAGATCTGATGGAAGCCTGTG
TAGAGCTTACTGTCTGGGACCATTACAAATTAACCAACCAATTTTGGGAGGTCTTCGTATTGGCTTTGG
AACAGGTAAGGTTATGGGACTGAAGTGGACTGGATGGACTCTACTTCAGAGGAAGTTGCTCTCTGGGAG
AAGATGGTAAACTCCCCAATACTTGGATTGAAGCAACACTGCCTCTCAGAATGCTTTTGATTGCCAAGA
TTTCCAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG218076 representing NM_032379
 Red=Cloning site Green=Tags(s)

MSKSVP AFLQDESDDRETDTASESSYQLSRHKKSPSSLTNLSSSSGMTSLSSVSGSVMSVSYSGDFGNLEV
 KGNIQFAIEYVESLKELVHVAQCKDLAAADVKKQRSDPYVKAYLLPDKGKMGKKKTLVVKKTLNPVYNE
 ILRYKIEKQILKTQKLNLSIWHRDTFKRNSFLGEVELDLETWDWLNKQNKQLRWYPLKRKTAPVALEAEN
 RGEMKLALQYVPEPVPVKLPTTGEVHIWYKECLDPLLRGSHLNSFVKCTILPDTSRKSRQKTRAVGKT
 TNPIFNHTMYYDGRPEDLMEACVELTVWDHYKLTNQFLGGLRIGFGTGKSYGTEVDWMDSTSEEVALWE
 KMNPSNTWIEATLPLRMLLIAKISK

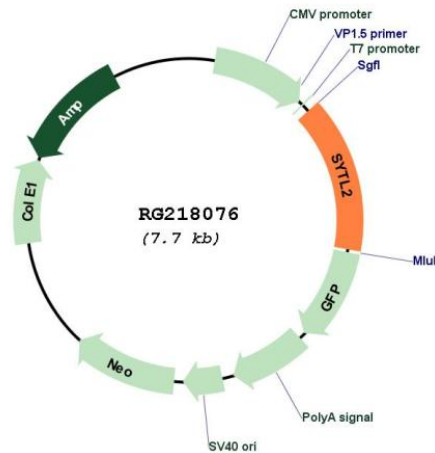
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_032379

ORF Size:	1128 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:	<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_032379.3 , NP_115755.2
RefSeq Size:	2407 bp
RefSeq ORF:	1130 bp
Locus ID:	54843
Cytogenetics:	11q14.1
Domains:	C2
Gene Summary:	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]