

## Product datasheet for **RG237530**

### SYTL2 (NM\_001289610) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SYTL2 (NM_001289610) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SYTL2
Synonyms:	CHR11SYT; EXO4; PPP1R151; SGA72M; SLP2; SLP2A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237530 representing NM_001289610. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGCATCGCC
ATGAGCAAGTCTGTTCCAGCATTCTCCAAGATGAGGTGAGTGGCAGTGTGATGAGTGTATAGTGGA
GACTTTGGCAATCTGGAAGTTAAAGGAAATATTCAGTTTGCAATTGAATATGTGGAGTCACTGAAGGAG
TTGCATGTTTTGTGGCCAGTGAAGGACTTAGCAGCAGCGGATGTAACAAAAACAGCGTTCAGACCCA
TATGTAAGGCCTATTTGCTACCAGACAAAGGCAAAATGGGCAAGAAGAAAACTCGTAGTGAAGAAA
ACCTTGAATCCTGTGTATAACGAAATACTGCGGTATAAAATTGAAAAACAATCTTAAAGACACAGAAA
TTGAACCTGTCCATTTGGCATCGGGATACATTTAAGCGCAATAGTTTCTAGGGGAGGTGGAACCTGAT
TTGGAAACATGGGACTGGGATAACAACAGAATAACAATTGAGATGGTACCCTCTGAAGCGGAAGACA
GCACCAGTTGCCCTTGAAGCAGAAAACAGAGGTGAAATGAAACTAGCTCTCCAGTATGTCCCAGAGCCA
GTCCCTGGTAAAAAGCTTCTACAACCTGGAGAAGTGCACATCTGGGTGAAGGAATGCCTTGATCTACCA
CTGCTAAGGGGAAGTCATCTAAATCTTTTGTAAATGTACCATCCTTCCAGATACAAGTAGGAAAAGT
CGCCAGAAGACAAGAGCTGTAGGGAAAACCAACCCCTATCTTCAACCACACTATGGTGTATGATGGG
TTCAGGCCTGAAGATCTGATGGAAGCCTGTGTAGAGCTTACTGTCTGGGACCATTACAAATTAACCAAC
CAATTTTTGGGAGGTCTTCGTATTGGCTTTGGAACAGGTAAAAGTTATGGGACTGAAGTGGACTGGATG
GACTCTACTTCAGAGGAAGTTGCTCTCTGGGAGAAGATGGTAACTCCCCAATACTTGGATTGAAGCA
ACACTGCCTCTCAGAATGCTTTTGTATTGCCAAGATTTCCAAA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



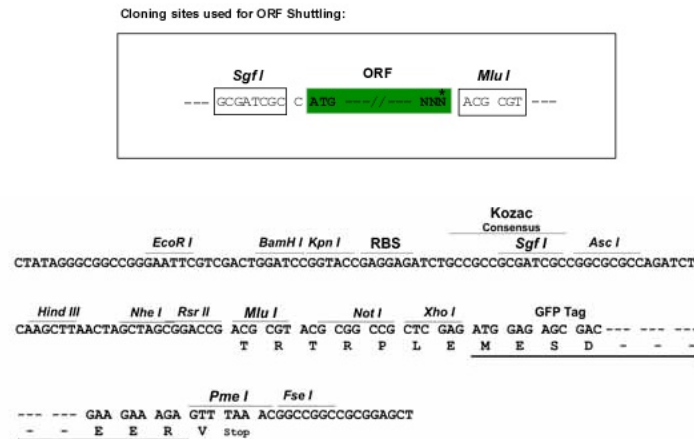
[View online »](#)

**Protein Sequence:** >Peptide sequence encoded by RG237530  
 Blue=ORF Red=Cloning site Green=Tag(s)

MSKSVP AFLQDEVSGSVMSVYSGDFGNLEVKGNIQFAIEYVESL KELHVFVAQCKDLAAADVKKQRSDP  
 YVKAYLLPDKGKMGKKKTLVKKTLNPVYNEILRYKIEKQILKTQKLNLSIWHRDTFKRNSFLGEVELD  
 LETWDWDNKQNKQLRWYPLKRKTAPVALEAENRGEMKLALQYVPEVPVPGKKLPTTGEVHIWVKECLDLP  
 LLRGSHLNSFVKCTILPDTSRKSRQKTRAVGKTTNPIFNHTMVDGFRPEDLMEACVELTVWDHYKLTN  
 QFLGGLRIGFGTKSYGTEVDWMDSTSEEVALWEKMNVPNTWIEATLPLRMLLI AKISK  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP  
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001289610

**ORF Size:** 1008 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).

**RefSeq:** [NM\\_001289610.1](#), [NP\\_001276539.1](#)

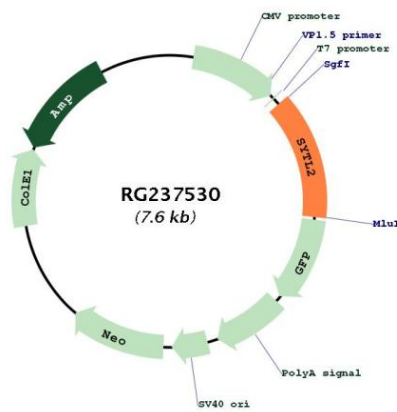
**RefSeq Size:** 2356 bp

**RefSeq ORF:** 1011 bp

**Locus ID:** 54843  
**UniProt ID:** [Q9HCH5](#)  
**Cytogenetics:** 11q14.1  
**MW:** 39 kDa

**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]

**Product images:**



Circular map for RG237530