

## Product datasheet for **RG224216**

### **SPTLC3 (NM\_018327) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	SPTLC3 (NM_018327) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SPTLC3
Synonyms:	C20orf38; dj718P11; dj718P11.1; hLCB2b; LCB2B; LCB 3; LCB3; SPT 3; SPT3; SPTLC2L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide  
Sequence:

>RG224216 representing NM\_018327  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGCTAACCTGGAGGTGGTGTCTGTTTGCACGGGAACTTCACAATCACAAGAAACAGAGCAATGGCT  
CACAAAGCAGAACTGCACAAAGAATGGAATAGTGAAGGAAGCCAGCAAAATGGGAAGCCACATTTTTA  
TGATAAGCTCATTGTTGAATCGTTTGAGGAAGCACCCCTTCATGTTATGGTTTTCACTTACATGGGATAT  
GGAATTGGAACCTGTTTGGCTATCTCAGAGACTTTTTAAGAACTGGGAATAGAAAAATGCAACGCAG  
CTGTGGAACGAAAAGAACAAAAAGATTTTGTGCCACTGTATCAAGACTTTGAAAATTTTTATACAAGAAA  
CCTTTACATGCGAATCAGAGACAACTGGAACCGGCCCATCTGCAGTGCCCGAGGGCTCTGTTTGTATGTG  
ATGGAGAGGGTATCGGACGACTAACTGGACGTTTAGGTTTACTGGAAGAGTCATCAAAGATGTCATCA  
ACATGGGCTCCTATAACTCCTTGGTCTTGCAGCCAAGTATGATGAGTCTATGAGGACAATAAAGGATGT  
TTTAGAGGTGTATGGCACAGGCTGGCCAGCACCAGGCATGAAATGGGCACCTTGGATAAGCACAAGGAG  
TTGGAGGACCTTGTGGCTAAGTTCTGAATGTGGAAGCAGCTATGGTCTTTGGGATGGGATTCGCAACTA  
ACTCAATGAATATCCCAGCATTAGTTGGAAGGGATGCCTCATTTAAGTGATGAGTTAAACCACACATC  
GCTTGTGCTTGGGGCCGACTCTCAGGTGCAACCATAAGAATCTTCAAACACAACAACACACAAAGCCTA  
GAGAAGCTCCTGAGAGATGCTGTCATCTATGGCCAGCCTCGAACCCGAGAGCTTGGAAAAAGATTCTCA  
TCCTGGTGGAGGGTGTCTACAGCATGGAAGGTTCCATCGTGCATCTGCCCCAGATCATAGCTCTAAAGAA  
GAAATACAAGGCTTACCTCTACATAGATGAAGCTCACAGTATTGGGGCCGTGGGCCAACCGCCGGGGT  
GTCACGGAGTTCTTTGGACTAGACCCTCATGAAGTTGATGTGCTCATGGGCACATTACACAAAAGTTTTG  
GAGCTTCAGGAGTTACATAGCTGGAAGGAAGGACCTCGTGGATTATTTACGGGTTCACTCGCATAGTGC  
TGTTTATGCTTCCATGAGCCACCGATAGCAGAGCAAAATCATCAGATCACTAAAACCTTATCATGGGA  
CTGGATGGGACCACTCAAGGGCTGCAGAGAGTACAGCAACTTGCGAAAAACACAAGATACTTCAGACAAA  
GACTGCAGGAAATGGGATTCATTATCTATGGCAATGAGAATGCTTCTGTTGTTCTCTGCTTCTTTATAT  
GCCTGGTAAAGTAGCGGCTTTTGAAGGCATATGCTAGAGAAAAAAATTGGAGTGGTGGTCTGGGATTT  
CCAGCCACTCCCCTCGCAGAAAGCTCGGGCTCGGTTTTGTGTTTCAGCGGCACATACCCGGGAGATGTTAG  
ACACGGTTTTAGAAGCTTGTGAAATGGGTGATCTCTTGAACCTGAAATATCCCGGCACAAGAAGTC  
AGCACGTCCTGAGCTCTATGATGAGACGAGCTTTGAACTCGAAGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

## Restriction Sites:

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_018327

**ORF Size:** 1656 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\\_018327.2](#), [NP\\_060797.2](#)

**RefSeq Size:** 3855 bp

**RefSeq ORF:** 1659 bp

**Locus ID:** 55304

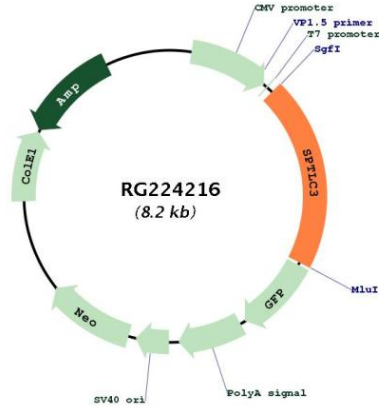
**UniProt ID:** [Q9NUV7](#)

**Cytogenetics:** 20p12.1

**Gene Summary:**

This gene encodes a subunit of the serine palmitoyltransferase complex which catalyzes the rate-limiting step in sphingolipid biosynthesis. This subunit metabolizes lauroyl- and myristoyl-CoA and generates C14 and C16-sphingoid bases. [provided by RefSeq, Mar 2017]

**Product images:**



Circular map for RG224216