

## Product datasheet for **SC113546**

### SPTLC3 (NM\_018327) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SPTLC3 (NM_018327) Human Untagged Clone
Tag:	Tag Free
Symbol:	SPTLC3
Synonyms:	C20orf38; dj718P11; dj718P11.1; hLCB2b; LCB2B; LCB 3; LCB3; SPT 3; SPT3; SPTLC2L
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_018327, the custom clone sequence may differ by one or more nucleotides

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ATGGCTAACCTGGAGGTGGTGCTGTTTGGCAACGGGAACTTCACAATCACAAGAAACAGAGCAATGGCT
CACAAAGCAGAACTGCACAAAGAATGGAATAGTGAAGGAAGCCCAGCAAAATGGGAAGCCACATTTTAA
TGATAAGCTCATTGTTGAATCGTTTGGGAAGCACCCCTTCATGTTATGGTTTTCACTTACATGGGATAT
GGAATTGGAACCTGTTTGGCTATCTCAGAGACTTTTTAAGAACTGGGGAATAGAAAAATGCAACGCAG
CTGTGGAACGAAAAGAACA AAAAGATTTTGTGCCACTGTATCAAGACTTTGAAAAATTTTATACAAGAAA
CCTTTACATGCGAATCAGAGACAACTGGAACCGGCCCTCTGCAGTGCCCGAGGCTCTGTTTGATTTG
ATGGAGAGGGTATCAGACGACTATAACTGGACGTTTAGGTTTACTGGAAGAGTCATCAAAGATGTCATCA
ACATGGGCTCCTATAACTCCTTGGTCTTGACGCAAGTATGATGAGTCTATGAGGACAATAAAGGATGT
TTTAGAGGTGATGGCACAGGCGTGCCAGCACCAGGCATGAAATGGGCACCTTGGATAAGCACAAGGAG
TTGGAGGACCTTGTGGCTAAGTTCCTGAATGTGGAAGCAGCTATGGTCTTTGGGATGGGATTCGCAACTA
ACTCAATGAATATCCCAGCATTAGTTGGAAAGGGATGCCTCATTTAAGTGATGAGTTAAACCACACATC
GCTTGTGCTTGGGGCCGACTCTCAGGTGCAACCATAAGAATCTTCAAACAACAACACACAAAAGCCTA
GAGAAGCTCCTGAGAGATGCTGTATCTATGGCCAGCCTCGAACCAGCAGAGCTTGGAAAAAGATTCTCA
TCTTGGTGGAGGGTGTCTACAGCATGGAAGGTTCCATCGTGCATCTGCCCGAGTCATAGCTCTAAAGAA
GAAATACAAGGCTTACCTCTACATAGATGAAGCTCACAGTATTGGGGCCGTGGGCCAACCGGCCGGGT
GTCACGGAGTTCTTTGGACTAGACCCTCATGAAGTTGATGTGCTCATGGGCACATTCACCAAAAGTTTTG
GAGCTTCAGGAGTTACATAGCTGGAAGGAAGGACCTCGTGGATTATTTACGGGTTCACTCGCATAGTGC
TGTTTATGCTTCATCCATGAGCCACCAGATAGCAGAGCAAATCATCAGATCACTAAAACCTTATCATGGGA
CTGGATGGGACCACTCAAGGGCTGCAGAGAGTACAGCAACTTGGCAAAAACAAGATACTCAGACAAA
GACTGCAGGAAATGGGATTCATTATCTATGGCAATGAGAATGCTTCTGTTGTTCCCTCTGCTTCTTATAT
GCCTGGTAAAGTAGCGGCTTTTGAAGGCATATGCTAGAGAAAAAAATGGAGTGGTGGTCTGGGATTT
CCAGCCACTCCCCTCGCAGAAGCTCGGGCTCGGTTTTGTGTTTTCAGCGGCACATACCCGGGAGATGTTAG
ACACGGTTTTAGAAGCTCTTGATGAAATGGGTGATCTCTTGAACCTGAAATATCCCGGCACAAGAAGTC
AGCACGCTCTGAGCTCTATGATGAGACGAGCTTTGAACCTGAAGATTA
    
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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_018327 unedited

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TTTGTAAACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGGACCTCTGAAGGAA
AACCTGTCCCAGGCTCTGTCACTTACACCCATGGCTAACCTGGAGGTGGTGTGTTG
CAACGGAGAACTTACAATCACAAGAAACAGAGCAATGGCTCACAAGCAGAACTGCA
CAAAGAATGGAATAGTGAAGGAAGCCCAGCAAAATGGGAAGCCACATTTTATGATAAGC
TCATTGTTGAATCGTTTGGGAAGCACCCCTTCATGTTATGGTTTTCACTTACATGGGAT
ATGGAATTGGAACCTGTTTGGCTATCTCAAAGACTTTTTAAGAACTGGGGAATAGAAA
AATGCAACGCAGCTGTGGAACGAAAAGAACA AAAAGATTTTGTGCCACTGTATCAAGACT
TTGAAAAATTTTATACAAGAAACCTTTACATGCGAATCAGAGACAACTGGAACCGGCCCA
CTGCACTGCCCCAGGGCCTCTGTTTGTGATGATGGAGAGGGTATCGGACGACTATAACT
GGACGTTTACGTTTACTGGAAGAGTATCAAAGATGTCATCAACATGGGCTCCTATAACTT
CCTTTGGTCTTGACGCCAGTATGATGAATCTATGAGGACAATAAATGATGTTTTAGAGG
TGTATGGCACAGGCCGTGGCCACCACCAGCCATGAAATGGCCACCTTGGATAACCACAA
GGAGTTGGAAGACCTGTGGGCTAAATCCCTGATGTGAAACCACCTATGGTCTTTTGTG
AATGGGATTTCCAACTAACTCAATGAAATTTCCCAACCATATTTTGGCAAGAGGATCC
CTTCTTTTAACTGAATGAATAAAACACACCATCCTTTTGGGCTTGGAGGCCGCCAA
CCTTCCAGGGCACACCATAAAAAAT
    
```

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_018327

**Insert Size:**

3630 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_018327.1</a> , <a href="#">NP_060797.1</a>
<b>RefSeq Size:</b>	3855 bp
<b>RefSeq ORF:</b>	3855 bp
<b>Locus ID:</b>	55304
<b>UniProt ID:</b>	<a href="#">Q9NUV7</a>
<b>Cytogenetics:</b>	20p12.1
<b>Gene Summary:</b>	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]