

## Product datasheet for **SC207104**

### SPTLC1 (NM\_178324) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** SPTLC1 (NM\_178324) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** SPTLC1  
**Synonyms:** HSAN1; HSN1; LBC1; LCB1; SPT1; SPTI  
**ACCN:** NM\_178324  
**Insert Size:** 531 bp  
**Insert Sequence:** >SC207104 3'UTR clone of NM\_178324  
 The sequence shown below is from the reference sequence of NM\_178324. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CCCAGAGGATTTTATGGCACATTTGAATGAAGATGAAGGATCATTGATTTCTTGTGTATGGATAATCC
GGGAACAGGCCAACTAAATATTTGATGAATGTATGATTTCAAATACAGTGAATTCCTGGGAGTCATCA
AAGAAGACCGGCATTTTATGGTTGTTTTTATTAAGTGTATATTCTTTGCTCCTGAAAATGTTATTAAT
AATTGTTTAGGCCGGCATGGTGCTCATGCTGTAAATCCAGCACTTTCAAAGGCTGAGGCAGGCAGA
TCACCTGAGGTCAGGAGTTCAAACCAGCCTGGCCAACATGCTGAAACCTCGTCTCTACTAAAAATACA
AAAATTAGCTGGGCGTGGTGGTGATACCTGTAATCCCAGCTACGTGGGAGGCTGAGGTGGGAGAATTG
CTTCAACTGGGAGGCAGAGGTTGCAGTGAGCCGAGATCATGCCACTGCACTCCAGCCTGGGCAACAGA
GCAAGACTGTCTAAAAATAAATAAATAAATAAATAAATTGTTTAAATGAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

**Restriction Sites:** Sgfl-Mlul

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_178324.3](#)



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**Summary:** This gene encodes a member of the class-II pyridoxal-phosphate-dependent aminotransferase family. The encoded protein is the long chain base subunit 1 of serine palmitoyltransferase. Serine palmitoyltransferase converts L-serine and palmitoyl-CoA to 3-oxosphinganine with pyridoxal 5'-phosphate and is the key enzyme in sphingolipid biosynthesis. Mutations in this gene were identified in patients with hereditary sensory neuropathy type 1. Alternatively spliced variants encoding different isoforms have been identified. Pseudogenes of this gene have been defined on chromosomes 1, 6, 10, and 13. [provided by RefSeq, Jul 2013]

**Locus ID:** 10558

**MW:** 20.4