

Recombinant Human SPTLC1 Protein, Myc/DDK-tagged

Cat. No. SPTLC1-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human serine palmitoyltransferase, long chain base subunit 1 (SPTLC1), transcript variant 1 with a C-Myc/DDK tag was expressed in HEK293T.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	52.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

GENE INFORMATION

Gene Name SPTLC1 serine palmitoyltransferase long chain base subunit 1 [Homo sapiens (human)]

Official Symbol SPTLC1

Synonyms SPTLC1; serine palmitoyltransferase long chain base subunit 1; HSN1; LBC1; LCB1; SPT1; SPTI; HSN1; serine palmitoyltransferase 1; long chain base biosynthesis protein 1; serine C-palmitoyltransferase; serine-palmitoyl-CoA transferase 1; EC 2.3.1.50

Gene ID 10558

mRNA Refseq NM_006415

Protein Refseq NP_006406

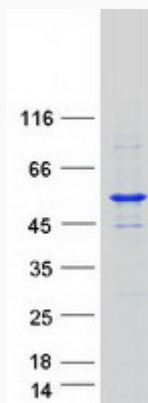
MIM 605712

UniProt ID O15269

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SDS-PAGE

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