OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TP762535

Serine Palmitoyltransferase (SPTLC2) (NM_004863) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human serine palmitoyltransferase, long chain base subunit 2 (SPTLC2), 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the region full length of SPTLC2
Tag:	N-GST and C-HIS
Predicted MW:	62.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50mM Tris, pH8.0, 8M Urea
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for at least 1 year from receipt of products under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_004854
Locus ID:	9517
UniProt ID:	O15270, A0A024R6H1
RefSeq Size:	8164
Cytogenetics:	14q24.3
RefSeq ORF:	1686
Synonyms:	hLCB2a; HSN1C; LCB2; LCB2A; NSAN1C; SPT2

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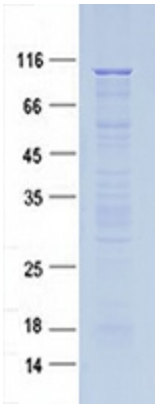
Summary: This gene encodes a long chain base subunit of serine palmitoyltransferase. Serine palmitoyltransferase, which consists of two different subunits, is the key enzyme in sphingolipid biosynthesis. It catalyzes the pyridoxal-5-prime-phosphate-dependent condensation of L-serine and palmitoyl-CoA to 3-oxosphinganine. Mutations in this gene were identified in patients with hereditary sensory neuropathy type I. [provided by RefSeq, Mar 2011]

Protein Pathways: Metabolic pathways, Sphingolipid metabolism

Product images:



Coomassie blue staining of purified SPTLC2 protein (Cat #TP762535). The protein was produced from E.coli.