Recombinant Human SPTLC2 293 Cell Lysate

Cat. No. SPTLC2-1484HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for serine palmitoyltransferase, long chain base subunit 2 (SPTLC2) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	SPTLC2 serine palmitoyltransferase, long chain base subunit 2 [Homo sapiens]
Official Symbol	SPTLC2
Synonyms	SPTLC2; serine palmitoyltransferase, long chain base subunit 2; serine palmitoyltransferase 2; hLCB2a; KIAA0526; LCB2; LCB2A; LCB 2; SPT 2; serine-palmitoyl-CoA transferase 2; long chain base biosynthesis protein 2a; serine palmitoyltransferase, subunit II; SPT2; HSN1C; NSAN1C;
Gene ID	9517
mRNA Refseq	NM_004863
Protein Refseq	NP_004854
MIM	605713
UniProt ID	O15270
Chromosome Location	14q24.3
Pathway	Ceramide biosynthesis, organism-specific biosystem; Ceramide biosynthesis, conserved biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific

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	biosystem; Sphingolipid de novo biosynthesis, organism-specific biosystem; Sphingolipid metabolism, organism-specific biosystem;

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