

Recombinant Human SPTLC2 Protein (88-562 aa), His-SUMO-tagged

Cat. No. SPTLC2-818H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SPTLC2 Protein (88-562 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Cancer. Protein Description: Partial.
Species	Human
Source	E.coli
ProteinLength	88-562 aa
Description	Serine palmitoyltransferase (SPT). The heterodimer formed with LCB1/SPTLC1 constitutes the catalytic core. The composition of the serine palmitoyltransferase (SPT) complex determines the substrate preference. The SPTLC1-SPTLC2-SPTSSA complex shows a strong preference for C16-CoA substrate, while the SPTLC1-SPTLC2-SPTSSB complex displays a preference for C18-CoA substrate.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	69.7 kDa
AA Sequence	RDFLRYWRIEKCHHATEREEQKDFVSLYQDFENFYTRNLYMRIRDNWNRPICSVPG ARVDIMERQSHDYNWSFKYTGNIIKGVINMGSYNYLGFARNTGSCQEAAAKVLEEY GAGVCSTRQEIGNLDKHEELEELVARFLGVEAAMAYGMGFATNSMNIPALVGKGCLI LSDELNHASLVLGARLSGATIRIFKHNNMQSLEKLLKDAIVYGQPRTRRPWKKILILVE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GIYSMEGSIVRLPEVIALKKKYKAYLYLDEAHSIGALGPTGRGVVEYFGLDPEDVDVM
MGTFTKSFGASGGYIGGKKELIDYLRTHSHSAVYATSLPPVVEQIITSMKCIMGQDG
TSLGKECVQQLAENTRYFRRRLKEMGFIIYGNEDSPVVPLMLYMPAKIGAFGREMLK
RNIGVVVGFPATPIESRARFCLSAHTKEILDALKEIDEVGDLLQLKYSRHLVPLL
DRPFDETTYEETED

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name SPTLC2 serine palmitoyltransferase, long chain base subunit 2 [Homo sapiens]

Official Symbol SPTLC2

Synonyms SPTLC2; hLCB2a; KIAA0526; LCB2; LCB2A; LCB 2; SPT 2; SPT2; HSN1C; NSAN1C;

Gene ID 9517

mRNA Refseq NM_004863

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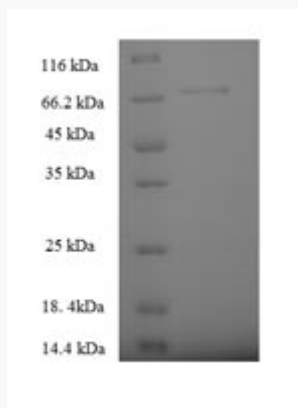
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Protein Refseq NP_004854

MIM 605713

UniProt ID O15270



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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