

Human Serine Palmitoyltransferase, Long Chain Base Subunit 1 (SPTLC1) ELISA Kit | SPTLC1 elisa kit

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CATALOG #
AAA68714

REACTIVITY
Human

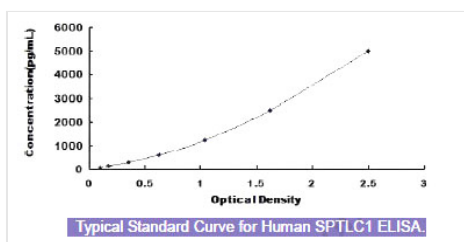
PRODUCT SYNONYMS

Serine Palmitoyltransferase; Long Chain Base Subunit 1 (SPTLC1); Human Serine Palmitoyltransferase; Long Chain Base Subunit 1 (SPTLC1) ELISA Kit; HSAN; HSAN1; HSN1; LCB1; LCB1; SPT1; SPT1; Hereditary Sensory Neuropathy; Type 1; Long chain base biosynthesis protein 1; Serine-palmitoyl-CoA transferase 1; SPTLC1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of SPTLC1. No significant cross-reactivity or interference between SPTLC1 and analogues was observed.
Sequence Length	513
Samples	Tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	78.12-5000pg/mL
Sensitivity	<27ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SPTLC1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level SPTLC1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SPTLC1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of SPTLC1 in human tissue homogenates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to SPTLC1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to SPTLC1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain SPTLC1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of SPTLC1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	526252798
NCBI GeneID	10558
NCBI Accession #	NP_001268232.1
NCBI GenBank Nucleotide #	NM_001281303.1
UniProt Accession #	O15269; Q5VWB4; Q96IX6; A8K681
Molecular Weight	16,073 Da
NCBI Official Full Name	serine palmitoyltransferase 1 isoform c
NCBI Official Synonym Full Names	serine palmitoyltransferase long chain base subunit 1
NCBI Official Symbol	SPTLC1
NCBI Official Synonym Symbols	HSN1; LBC1; LCB1; SPT1; SPTI; HSN1
NCBI Protein Information	serine palmitoyltransferase 1
UniProt Protein Name	Serine palmitoyltransferase 1
UniProt Gene Name	SPTLC1
UniProt Synonym Gene Names	LCB1; LCB 1; SPT 1; SPT1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/serine-palmitoyltransferase-long-chain-base-subunit-1-sptlc1/68714>