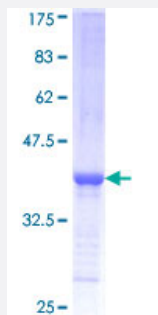


SPTLC2 (Human) Recombinant Protein (Q01)

Catalog # H00009517-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human SPTLC2 partial ORF (NP_004854, 453 a.a. - 561 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	LKEMGFIIYGNE D SPVVPLMLYMPAKIGAFGREMLKRNIGVVVVGFPATPIIESRARFCLSA A HTKEI LDTALKEIDEVGDLLQLKYSRHRLVPLLD R PFDETTYEETE
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.73
Interspecies Antigen Sequence	Mouse (96); Rat (95)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — SPTLC2

Entrez GeneID [9517](#)

GeneBank Accession# [NM_004863](#)

Protein Accession# [NP_004854](#)

Gene Name SPTLC2

Gene Alias KIAA0526, LCB2, SPT2

Gene Description serine palmitoyltransferase, long chain base subunit 2

Omim ID [605713](#)

Gene Ontology [Hyperlink](#)

Gene 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-Co A to 3-oxosphinganine. Mutations in this gene were identified in patients with hereditary sensory neuropathy type I. Alternatively spliced variants encoding different isoforms have been identified. [provided by RefSeq]

Other Designations serine palmitoyltransferase, subunit II

Pathway

- [Metabolic pathways](#)
- [Sphingolipid metabolism](#)