



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### SPTLC2 (Human) Recombinant Protein (P01)

**Catalog Number:** H00009517-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human SPTLC2 full-length ORF ( NP\_004854.1, 1 a.a. - 562 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MRPEPGGCCRRRTVRANGCVANGEVRNGYVRRSSAA  
AAAAAAGQIHVHTQNGGLYKRPFNEAFEETPMLVAV  
LTYVGYGVLTFLGYLRDFLYRWRIEKCHHATEREEQK  
DFVSLYQDFENFYTRNLYMRIRDNWNRPICSVPGARV  
DIMERQSHDYNWSFKYTGNIKGVINMGSYNYLGFAR  
NTGSCQEAALKVLEEYAGVCSTRQEIGNLDKHEELE  
ELVARFLGVEAAMAYGMGFATNSMNPALVGKGLILS  
DELNHASLVLGARLSGATIRIFKHNNMQSLEKLLKDAIV  
YGQPRTRRPWKKILILVEGIYSMEGSIVRLPEVIALKKK  
YKAYLYLDEAHSIGALGPTGRGVVEYFGLDPEDVDVM  
MGFTKSFSGASGGYIGGKELIDYLRTHSHSAVYATSL  
SPPVVEQIITSMKCIMGQDGTSLGKECVQQLAENTRYF  
RRRLKEMGFIIYGNEDSPVPLMLYMPAKIGAFGREML  
KRNIGVVVVGFPATPIIESRARFCLSAHTKEILDALKE  
IDVGDLLQLKYSRHLVPLLDLDRPFDETTYEETED

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 89.3

**Interspecies Antigen Sequence:** Mouse (96); Rat (95)

**Applications:** AP, Array, ELISA, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**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.

**Entrez GeneID:** 9517

**Gene Symbol:** SPTLC2

**Gene Alias:** KIAA0526, LCB2, SPT2

**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-CoA 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]