

Product Information

MemDX™ Membrane Protein Human SPTLC2 (Serine palmitoyltransferase long chain base subunit 2) Expressed *in vitro* *E.coli* expression system, Full Length

Cat. No.: **MPX1921K**

This product is for research use only and is not intended for diagnostic use.

This product is a Human SPTLC2 membrane protein expressed *in vitro* *E.coli* expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

SPTLC2

Protein Length

Full Length

Protein Class

Transferase

TMD

1

Sequence

MRPEPGGCCCRRTVRANGCVANGEVRNGYVRSSAAAAAAAAAAGQIHHTVQNGGLYKRPFNEAFEETPMLVAVLTYVGVLTLF

Product Description

Expression Systems

in vitro *E.coli* expression system

Tag

10xHis and SUMO tag

Protein Format

Soluble

Form

Liquid or Lyophilized powder

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

SPTLC2

Full Name

Serine palmitoyltransferase long chain base subunit 2

Introduction

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.

Alternative Names

SPTLC2; LCB2; SPT2; HSN1C; LCB2A; NSAN1C; hLCB2a; LCB 2; SPT 2; long chain base biosynthesis protein 2a; serine palmitoyltransferase, subunit II; serine-palmitoyl-CoA transferase 2; Serine palmitoyltransferase long chain base subunit 2

Gene ID

[9517](#)

UniProt ID

[O15270](#)