Recombinant Mouse Sptlc2 Protein, His-tagged

Cat. No. Sptlc2-679M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Sptlc2(Glu453~Asp560) fused with His tag at N-terminal was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Glu453~Asp560
Description	This gene encodes a long chain base subunit of serine palmitoyltransferase. The enz yme, serine palmitoyltransferase, consists of two different subunits, and is the key en zyme in sphingolipid biosynthesis. It catalyzes the pyridoxal-5-prime-phosphate-depe ndent condensation of L-serine and palmitoyl-CoA to 3-oxosphinganine. A mutant alle le of this gene in mice is used as a model for the human disease 'Susceptibilty to Psor iasis 1'. Mutations in the human gene are associated with hereditary sensory neuropa thy type I.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	15.9kDa
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	> 94%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Sptlc2 serine palmitoyltransferase, long chain base subunit 2 [Mus musculus]
Official Symbol	Sptlc2
Synonyms	SPTLC2; serine palmitoyltransferase, long chain base subunit 2; serine palmitoyltransferase 2; LCB 2; LCB2a; SPT 2; serine-palmitoyl-CoA transferase 2; long chain base biosynthesis protein 2; long chain base biosynthesis protein 2a; LCB2; AI173915; mKIAA0526;
Gene ID	20773
mRNA Refseq	NM_011479
Protein Refseq	NP_035609
UniProt ID	P97363

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