

Product datasheet for TP507578

Sptlc1 (NM_009269) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse serine palmitoyltransferase, long chain base subunit 1 (Sptlc1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR207578 representing NM_009269 Red=Cloning site Green=Tags(s)

MATVAEQWVLVEMVQALYEAPAYHLILEGILILWIIRLVFSKTYKLQERSDLTAKEKEELIEEWQPEPLV
PPVSKNHPALNYNIVSGPPTHNIVVNGKECVNFASFNGLLLANPRVKATAFSSLKKGVTGTCGPRGFY
TFDVHLDLEERLAKFMKTEEAIISYGFSTIASAIPAYSKRGDIIFVDSAACFAIQKGLQASRSDIKLFK
HNDVADLERLLKEQEIEDQKNPRKARVTRRFIVVEGLYMNTGTICPLPELVKLYKYKARIFLEESLSFG
VLGEHGRGVTEHYGISIDDIDLISANMENALASVGGFCCGRSFVDHQRLSGQGYCFSASLPPLAAAAAI
EALNIMEENPDIFAVLKKKQNIHKSLQGVSGLVVGSLSPALHLQLEESTGSREKDVKLLQAIVDQCM
DKGIALTQARYLDKEEKCLPPSIRVWVTEQTEELQRAASTIREAAQAVLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	53 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_033295
Locus ID:	268656



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UniProt ID: [O35704](#)

RefSeq Size: 2601

Cytogenetics: 13 B1

RefSeq ORF: 1419

Synonyms: AW552086; C77762; E030036H05; Lcb1

Summary: Serine palmitoyltransferase (SPT) (PubMed:28100772). The heterodimer formed with SPTLC2 or SPTLC3 constitutes the catalytic core. The composition of the serine palmitoyltransferase (SPT) complex determines the substrate preference. The SPTLC1-SPTLC2-SPTSSA complex shows a strong preference for C16-CoA substrate, while the SPTLC1-SPTLC3-SPTSSA isozyme uses both C14-CoA and C16-CoA as substrates. The SPTLC1-SPTLC2-SPTSSB complex displays a strong preference for C18-CoA substrate, while the SPTLC1-SPTLC3-SPTSSB isozyme has the ability to use a broader range of acyl-CoAs (By similarity). Required for adipocyte cell viability and metabolic homeostasis (PubMed:28100772).[UniProtKB/Swiss-Prot Function]