

Product datasheet for PH310453

SPTSSB (NM_001040100) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	C3orf57 MS Standard C13 and N15-labeled recombinant protein (NP_001035189)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210453
Predicted MW:	9.2 kDa
Protein Sequence:	>RC210453 protein sequence Red=Cloning site Green=Tags(s) MDLRRVKEYFSWLYYQYQIISCCAVLEPWERSMFNTILLTIIAMVYTYVFIPIHIRLAWEFFSKICGY HSTISN TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001035189
RefSeq Size:	2306
RefSeq ORF:	228
Synonyms:	ADMP; C3orf57; SSSPTB
Locus ID:	165679
UniProt ID:	Q8NFR3 , Q6ZWB5
Cytogenetics:	3q26.1



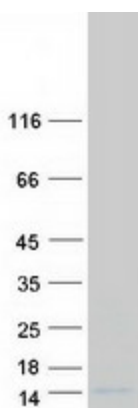
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Summary:

Serine palmitoyltransferase (SPT; EC 2.3.1.50) catalyzes the first committed and rate-limiting step in sphingolipid biosynthesis. SSSPTB is a small SPT subunit that stimulates SPT activity and confers acyl-CoA preference to the SPT catalytic heterodimer of SPTLC1 (MIM 605712) and either SPTLC2 (MIM 605713) or SPTLC3 (MIM 611120) (Han et al., 2009 [PubMed 19416851]).[supplied by OMIM, Nov 2010]

Protein Families:

Transmembrane

Product images:

Coomassie blue staining of purified SPTSSB protein (Cat# [TP310453]). The protein was produced from HEK293T cells transfected with SPTSSB cDNA clone (Cat# [RC210453]) using MegaTran 2.0 (Cat# [TT210002]).