

## Product datasheet for PH301012

### PTDSS1 (NM\_014754) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PTDSS1 MS Standard C13 and N15-labeled recombinant protein (NP_055569)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201012
Predicted MW:	55.5 kDa
Protein Sequence:	>RC201012 protein sequence Red=Cloning site Green=Tags(s)

MASCVGSRTLKDDVNYKMHFRMINEQQVEDITIDFFYRPHTITLLSFTIVSLMYFAFTRDDSVPEDNIW  
RGILSVIFFFLIISVLAFPNGPFRPHALWRMVFGLSVLYFLVFLFLNFEQVKSLMYWLDPNLRYA  
TREADVMEYAVNCHVITWERIISHFDIFAFGHFWGWAMKALLIRSYGLCWTISITWELTELFMHLNPNF  
AECWWDQVILDILLCNGGGIWLGMVVCRFLEMRTYHWASFKDIHTTTGKIKRAVLQFTPASWTYVRWFD  
KSSFQRVAGVYLFMIWQLTELNTFFLKHIFVFQASHPLSWGRILFIGGITAPTVRQYYAYLTDQCKRV  
GTQCWVFGVIGFLEAIVCIKFGQDLFSKTQILYVVLWLLCVAFTTFLCLYGMIWYAEHYGHREKTYSECE  
DGTYSPEISWHHRKGTGSEDSPPKHAGNESHSSRRRRNRHSKSKVTNGVGKK

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:	<u>NP_055569</u>
RefSeq Size:	2576
RefSeq ORF:	1419
Synonyms:	LMHD; PSS1; PSSA



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Locus ID: 9791

UniProt ID: [P48651](#)

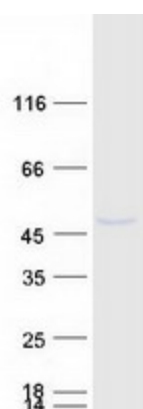
Cytogenetics: 8q22.1

**Summary:** The protein encoded by this gene catalyzes the formation of phosphatidylserine from either phosphatidylcholine or phosphatidylethanolamine. Phosphatidylserine localizes to the mitochondria-associated membrane of the endoplasmic reticulum, where it serves a structural role as well as a signaling role. Defects in this gene are a cause of Lenz-Majewski hyperostotic dwarfism. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2014]

**Protein Families:** Transmembrane

**Protein Pathways:** Glycerophospholipid metabolism, Metabolic pathways

### Product images:



Coomassie blue staining of purified PTDSS1 protein (Cat# [TP301012]). The protein was produced from HEK293T cells transfected with PTDSS1 cDNA clone (Cat# [RC201012]) using MegaTran 2.0 (Cat# [TT210002]).