

Recombinant Full Length Human PTDSS1 Protein, C-Flag-tagged

Cat. No. PTDSS1-2014HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PTDSS1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	55.3 kDa
AA Sequence	MASCVGSRTLKDDVNYKMHFRMINEQQVEDITIDFFYRPHTITLLSFTIVSLMYFAFT RDDSVPEDNIW RGILSVIFFFLIISVLAFPNGPFTRPHPALWRMVFGLSVLYFLFLVFL LFLNFEQVKSLMYWLDPNLRYA TREADVMEYAVNCHVITWERIISHFDIFAFGHFWG WAMKALLIRSYGLCWTISITWELTELFMHLLPNF AECWWDQVILDILLCNGGGIWL GMVVCRFLEMRTYHWASFKDIHTTTGKIKRAVLQFTPASWTYVRWFDP KSSFQRV AGVYLFMIWQLTELNTFFLKHIFVFQASHPLSWGRILFIGGITAPTVRQYYAYLTDQTQ

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

CKRV GTQCWVFGVIGFLEAIVCIKFGQDLFSKTQILYVVLWLLCVAFTTFLCLYGMIV
YAEHYGHREKTYSECE DGTYSPEISWHHRKGTGSEDSPPKHAGNNESHSSRRR
NRHSKSKVTNGVGKK TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Transmembrane
Protein Pathways	Glycerophospholipid metabolism, Metabolic pathways
Full Length	Full L.

GENE INFORMATION

Gene Name	PTDSS1 phosphatidylserine synthase 1 [Homo sapiens (human)]
Official Symbol	PTDSS1
Synonyms	LMHD; PSS1; PSSA
Gene ID	9791

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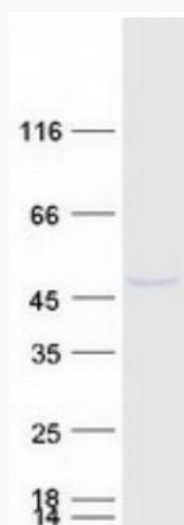
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mRNA Refseq [NM_014754.3](#)

Protein Refseq [NP_055569.1](#)

MIM [612792](#)

UniProt ID [P48651](#)



Coomassie blue staining of purified PTDSS1 protein.

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