

Recombinant Human PTDSS1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PTDSS1-4689H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PTDSS1 MS Standard C13 and N15-labeled recombinant protein (NP_055569) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	55.5 kDa
AA Sequence	MASCVGSRTLKDDVNYKMHFRMINEQQVEDITIDFFYRPHTITLLSFTIVSLMYFAFT RDDSVPEDNIWRGILSVIFFFLIISVLAFPNGPFTRPHPALWRMVFGLSVLYFLFLVLL FLNFEQVKSLMYWLDPNLRYATREADVMEYAVNCHVITWERIISHFDIFAFGHFWG WAMKALLIRSYGLCWTISITWELTEFFMHLLPNFAECWWDQVILDILLCNGGGIWLG MVVCRFLEMRTYHWASFKDIHTTTGKIKRAVLQFTPASWTYVRWFDPKSSFQRVAG VYLFMIWQLTELNTFFLKHIFVFQASHPLSWGRIFFIGGITAPTVRQYYAYLTDTQCK RVGTQCWVFGVIGFLEAIVCIKFGQDLFSKTQILYVVLWLLCVAFTTFLCLYGMIWYA

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EHYGHREKTYSECEDGTYSPEISWHHRKGTKGSEDSPPKHAGNNESHSSRRRNRH
SKSKVTNGVGKKTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name PTDSS1 phosphatidylserine synthase 1 [Homo sapiens (human)]

Official Symbol PTDSS1

Synonyms PTDSS1; phosphatidylserine synthase 1; KIAA0024; PSS1; PSSA; PSS-1; ptdSer synthase 1; serine-exchange enzyme I;

Gene ID 9791

mRNA Refseq NM_014754

Protein Refseq NP_055569

MIM 612792

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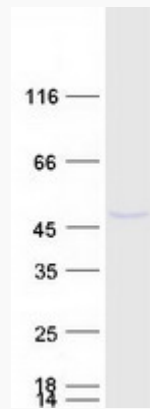
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UniProt ID

P48651

SDS-PAGE

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