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Product Information

MemDX™ Membrane Protein Human PTDSS1 (Phosphatidylserine synthase 1) Full Length

Cat. No.: **MPC4182K**
This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human PTDSS1 membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
PTDSS1

Protein Length
Full length

Protein Class
Transferase

TMD
9

Sequence
MASCVGSRTLSKDDVNYKMHFRMINEQQVEDITIDFFYRPHTITLLSFTI
VSLMYFAFTRDDSVPEDNIWRGILSVIFFFLIISVLAFPNGPFTRPHPAL
WRMVFGLSVLYFLFLVFLLFLNFEQVKSLMYWLDPNLRYATREADVMEYA
VNCHVITWERIISHFDIFAFGHFWGWAMKALLIRSYGLCWTISITWELTE
LFFMHLLPNFAECWWDQVILDILLCNGGGIWLGMVVCRFLEMRTYHWASF
KDIHTTTGKIKRAVLQFTPASWTYVRWFDPKSSFQRVAGVYLFMIIWQLT
ELNTFFLKHIFVFQASHPLSWGRILFIGGITAPTVRQYYAYLTDTQCKRV
GTQCWVFGVIGFLEAIVCIKFGQDLFSKTQILYVVLWLLCVAFTTFLCLY
GMIWYAEHYGHREKTYSECEDGTYSPEISWHHRKGTKGSEDSPPKHAGNN
ESHSSRRRNRHSKSKVTNGVGKK

Product Description

Expression Systems
HEK293

Tag
Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

PTDSS1

Full Name

Phosphatidylserine synthase 1

Introduction

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.

Alternative Names

PTDSS1; LMHD; PSS1; PSSA; PSS-1; ptdSer synthase 1; serine-exchange enzyme I; Phosphatidylserine synthase 1

Gene ID

9791

UniProt ID

P48651