

# Product Information

## MemDX™ Membrane Protein Human PLPP1 (Phospholipid phosphatase 1) Full Length

Cat. No.: **MPC3620K**

This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human PLPP1 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

PLPP1

#### Protein Length

Full length

#### Protein Class

Transporter

#### TMD

6

#### Sequence

MFDKTRLPYVALDVLCLVLLAGLPFAILTSRHTPFQRGVFCNDESIKYPYK  
EDTIPYALLGGIIPFSIIVILGETLSVYCNULLHSNSFIRNNYIATIK  
AIGTFLFGAAASQSLTDIAKYSIGRLRPHFLDVCDPDWSKINCSDGYIEY  
YICRGNAERVKEGRLSFYSGHSSFSMYCMLFVALYLQARMKGDWARLLRP  
TLQFGLVAVSIYVGLSRVSDYKHHWSDVLTGLIQGALVAILVAVYVSDF  
KERTSFKERKEEDSHTTLHETPTTGNHYPSNHQP

### 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

PLPP1

### Full Name

Phospholipid phosphatase 1

### Introduction

The protein encoded by this gene is a member of the phosphatidic acid phosphatase (PAP) family. PAPs convert phosphatidic acid to diacylglycerol, and function in synthesis of glycerolipids and in phospholipase D-mediated signal transduction. This enzyme is an integral membrane glycoprotein that plays a role in the hydrolysis and uptake of lipids from extracellular space. Alternate splicing results in multiple transcript variants of this gene.

### Alternative Names

PLPP1; LPP1; PAP2; LLP1a; PAP-2a; PPAP2A; lipid phosphate phosphohydrolase 1a; phosphatidate phosphohydrolase type 2a; phosphatidic acid phosphatase 2a; phosphatidic acid phosphatase type 2A; phosphatidic acid phosphohydrolase type 2a; type-2 phosphatidic acid phosphatase alpha; Phospholipid phosphatase 1

### Gene ID

[8611](#)

### UniProt ID

[O14494](#)