

Product Information

MemDX™ Membrane Protein Human PLPP2 (Phospholipid phosphatase 2) Full Length

Cat. No.: **MPC2997K**

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

This product is a made-to-order Human PLPP2 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

PLPP2

Protein Length

Full length

Protein Class

Receptor

TMD

6

Sequence

MQRRWVFVLLDVLCLLVASLPFAILTLVNAPYKRGFYCGDDSI RYPYRPD
TITHGLMAGVTITATVILVSAGEAYLVYTDRLYSRSDFN NYVAAVYKVLG
TFLFGAAVSQSLTDLAKYMIGRLRPNFLAVCDPDWSRVNCSVYVQLEKVC
RGNPADVT EARLSFYSGHSSFGMYCMVFLALYVQARLCWKWARLLRPTVQ
FFLVAFALYVGYTRVSDYKHHWSDVLVGLLQGALVAALTVCYISDFFKAR
PPQHCLKEEELERKPSLSLTLTLGEADHNHYGYPHSSS

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**

PLPP2

Full Name

Phospholipid phosphatase 2

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 de novo synthesis of glycerolipids as well as in receptor-activated signal transduction mediated by phospholipase D. This protein is similar to phosphatidic acid phosphatase type 2A (PPAP2A) and type 2B (PPAP2B). All three proteins contain 6 transmembrane regions, and a consensus N-glycosylation site. This protein has been shown to possess membrane associated PAP activity. Three alternatively spliced transcript variants encoding distinct isoforms have been reported.

Alternative Names

PLPP2; LPP2; PAP-2c; PAP2-g; PPAP2C; PAP2-gamma; PAP2c; lipid phosphate phosphohydrolase 2; phosphatidate phosphohydrolase type 2c; phosphatidic acid phosphatase 2c; phosphatidic acid phosphatase type 2C; phosphatidic acid phosphohydrolase type 2c; type-2 phosphatidic acid phosphatase-gamma; Phospholipid phosphatase 2

Gene ID

[8612](#)

UniProt ID

[Q43688](#)