

Product Information

MemDX™ Membrane Protein Human PLPPR5 (Phospholipid phosphatase related 5) Full Length

Cat. No.: **MPC2948K**

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

This product is a made-to-order Human PLPPR5 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

PLPPR5

Protein Length

Full length

Protein Class

Transporter

TMD

6

Sequence

MPLLPAALTSSMLYFQMVMIMAGTVMLAYYFEYTDFTVNVQGFFCHDSAY
RKPYPGPEDSSAVPPVLLYSLAAGVPVLVIIVGETAVFCLQLATRDFENQ
EKTILTGDCCYINPLVRRTVRFLGIYTFGLFATDIFVNAGQVVTGNLAPH
FLALCKPNYALGCQQYTQFISGEEACTGNPDLIMRARKTFPSKEAALSV
YAAMYLTMYTNTIKAKGTRLAKPVLCLGLMCLAFLTGLNRVAEYRNHWS
DVIAGFLVGISIAVFLVVCVNNFKGRQAENEHIHMDNLAQMPMISIPRV
ESPLEKVTSVQNHITAEVET

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**

PLPPR5

Full Name

Phospholipid phosphatase related 5

Introduction

The protein encoded by this gene is a type 2 member of the phosphatidic acid phosphatase (PAP) family. All type 2 members of this protein family contain 6 transmembrane regions, and a consensus N-glycosylation site. 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. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

Alternative Names

PLPPR5; PAP2; PRG5; LPPR5; PAP2D; phospholipid phosphatase-related protein type 5; PRG-5; lipid phosphate phosphatase-related protein type 5; phosphatidic acid phosphatase 2d; phosphatidic acid phosphatase type 2; phosphatidic acid phosphatase type 2d; plasticity-related gene 5 protein; plasticity-related protein 5; Phospholipid phosphatase related 5

Gene ID

[163404](#)

UniProt ID

[Q32ZL2](#)