

Product Information

MemDX™ Membrane Protein Human PGAP3 (Post-GPI attachment to proteins phospholipase 3) Expressed *in vitro* E.coli expression system, Full Length of Mature Protein

Cat. No.: **MPX2929K**

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

This product is a Human PGAP3 membrane protein expressed *in vitro* E.coli expression system. 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

PGAP3

Protein Length

Full Length of Mature Protein

Protein Class

Receptor

TMD

7

Sequence

SQGDREPVYRDCVLQCEEQNCSGGALNHFRSRQPIYMSLAGWTCRDDCKYECMWVTVGLYLQEGHKVPQFHGKWPFSSRFLFFC

Product Description

Expression Systems

in vitro E.coli expression system

Tag

10xHis tag at the N-terminus

Protein Format

Soluble

Form

Liquid or Lyophilized powder

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

PGAP3

Full Name

Post-GPI attachment to proteins phospholipase 3

Introduction

This gene encodes a glycosylphosphatidylinositol (GPI)-specific phospholipase that primarily localizes to the Golgi apparatus. This ubiquitously expressed gene is predicted to encode a seven-transmembrane protein that removes unsaturated fatty acids from the sn-2 position of GPI. The remodeling of the constituent fatty acids on GPI is thought to be important for the proper association between GPI-anchored proteins and lipid rafts. The tethering of proteins to plasma membranes via posttranslational GPI-anchoring is thought to play a role in protein sorting and trafficking. Mutations in this gene cause an autosomal recessive form of neurologic hyperphosphatasia with cognitive disability (HPMRS4). Alternative splicing results in multiple transcript variants encoding distinct isoforms.

Alternative Names

PGAP3; CAB2; PERLD1; PP1498; hCOS16; AGLA546; COS16 homolog; gene coamplified with ERBB2 protein; per1-like domain containing 1; post-GPI attachment to proteins 3; Post-GPI attachment to proteins phospholipase 3

Gene ID

[93210](#)

UniProt ID

[Q96FM1](#)