

Product Information

MemDX™ Membrane Protein Human PGAP3 (Post-GPI attachment to proteins phospholipase 3) Full Length

Cat. No.: **MPC2489K**

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

This product is a made-to-order Human PGAP3 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

PGAP3

Protein Length

Full length

Protein Class

Receptor

TMD

7

Sequence

MAGLAARLVLLAGAAALASGSQGDREPVYRDCVLQCEEQNCSGGALNHFR
SRQPIYMSLAGWTCRDDCKYECMWVTVGlyLQEGHKVPQFHGKWPFsRFL
FFQEPASAVASFLNGLASLVMLCRYRTFVPASSPMYHTCVAFAWVSLNAW
FWSTVFHTRDLDLTKMDYFCASTVILHSIYLCCVRTVGLQHPAVVSAFR
ALLLLMLTVHVSYSLSIRFDYGYNLVANVAIGLVNVVWWLAWCLWNQRRRL
PHVRKCVVVVLLLQGLSLELLDFPPLFWVLDAHAHWHISTIPVHVLFFS
FLEDDSLYLLKESEDKFKLD

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**

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; post-GPI attachment to proteins factor 3; 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](#)