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Product Information

MemDX™ Membrane Protein Human PGAM5 (PGAM family member 5, mitochondrial serine/threonine protein phosphatase) for Antibody Discovery

Cat. No.: **MP0314J**
This product is for research use only and is not intended for diagnostic use.

This product is a 32.5 kDa Human PGAM5 membrane protein expressed in HEK293T. 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
PGAM5

Protein Length
Full-length

Protein Class
Transmembrane

Molecular Weight
32.5 kDa

TMD
1

Sequence
MAFRQALQLAACGLAGGSAAVLFSAVAVGKPRAGGDAEPRPAEPPAWAGGARPGPGVWDPNWDRREPLSL
INVRKRNVESGEEELASKLDHYKAKATRHIFLIRHSQYHVDGSLEKDRTLTPLGREQAELTGLRLASLGL
KFNKIVHSSMTRAIETTDIISRHLPGVCKVSTDLLREGAPIEPDPPVSHWKPEAVQYYEDGARIEAAFRN
YIHRADARQEEDSYEIFICHANVIRYIVCRALQFPPEGWLRLSLNNGSITHLVIRPNGRVALRTLGDTGF
MPPDKITRS

Product Description

Expression Systems
HEK293T

Tag
C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

PGAM5

Full Name

PGAM family member 5, mitochondrial serine/threonine protein phosphatase

Introduction

Displays phosphatase activity for serine/threonine residues, and, dephosphorylates and activates MAP3K5 kinase. Has apparently no phosphoglycerate mutase activity. May be regulator of mitochondrial dynamics. Substrate for a KEAP1-dependent ubiquitin ligase complex. Contributes to the repression of NFE2L2-dependent gene expression. Acts as a central mediator for programmed necrosis induced by TNF, by reactive oxygen species and by calcium ionophore.

Alternative Names

BXLBV68; Bcl-XL-binding protein v68; phosphoglycerate mutase family member 5; PGAM family member 5, serine/threonine protein phosphatase, mitochondrial

Gene ID

192111

UniProt ID

Q96HS1

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