

Product Information

MemDX™ Membrane Protein Human PLA2G2A (Phospholipase A2 group IIA) for Antibody

Discovery

Cat. No.: **MP0797J**

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

This product is a 13.9 kDa Human PLA2G2A 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

PLA2G2A

Protein Length

Full-length

Protein Class

Druggable Genome, Transmembrane

Molecular Weight

13.9 kDa

Sequence

MKTLILLAVIMIFGLLQAHGNLVNFHRMIKLTTGKEAALS YGFYGCHCGVGGRGSPKDATDRCCVTHDCC
YKRLEKRGCGTKFLSYKFSNSGSRITCAKQDSCRSQ LCECDKAAATCFARNKTTYNKKYQYYSNKHCRGS
TPRC

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**

PLA2G2A

Full Name

Phospholipase A2 group IIA

Introduction

The protein encoded by this gene is a member of the phospholipase A2 family (PLA2). PLA2s constitute a diverse family of enzymes with respect to sequence, function, localization, and divalent cation requirements. This gene product belongs to group II, which contains secreted form of PLA2, an extracellular enzyme that has a low molecular mass and requires calcium ions for catalysis. It catalyzes the hydrolysis of the sn-2 fatty acid acyl ester bond of phosphoglycerides, releasing free fatty acids and lysophospholipids, and thought to participate in the regulation of the phospholipid metabolism in biomembranes. Several alternatively spliced transcript variants with different 5' UTRs have been found for this gene.

Alternative Names

MOM1; PLA2; PLA2B; PLA2L; PLA2S; PLAS1; sPLA2

Gene ID

[5320](#)

UniProt ID

[P14555](#)