

Product Information

MemDX™ Membrane Protein Human PNPLA3 (Patatin like phospholipase domain containing

3) Full Length

Cat. No.: **MPC3580K**

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

This product is a made-to-order Human PNPLA3 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

PNPLA3

Protein Length

Full length

Protein Class

Transferase

TMD

1

Sequence

MYDAERGWSLSFAGCGFLGFYHVGATRCLSEHAPHLLRDARMLFGASAGA
LHCVGVLSGIPLEQTLQVLSDLVRKARSRNIGIFHPSFNLSKFLRQGLCK
CLPANVHQLISGKIGISLTRVSDGENVLVSDFRSKDEVVDALVCSCFIPF
YSGLIPPSFRGVRYVDGGVSDNVPFIDAKTTITVSPFYGEYDIPKVKST
NFLHVDITKLSRLCTGNLYLLSRAFVPPDLKVLGEICLRGYLDAFRFLE
EKGICNRPPQGLKSSSEGMDPEVAMPSWANMSLDSSPESAALAVRLEGDE
LLDHLRLSILPWDESILDTLSPRLATALSEEMKDKGGYMSKICNLLPIRI
MSYVMLPCTLPVESAIAIVQRLVTWLPDMPDDVLWLQWVTSQVFTRVLMC
LLPASRSQMPVSSQQASPCTPEQDWPCWTPCSPKGCPAETKAEATPRSIL
RSSLNFFLGKVPAGAEGLSTFPSFSLEKSL

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**

PNPLA3

Full Name

Patatin like phospholipase domain containing 3

Introduction

The protein encoded by this gene is a triacylglycerol lipase that mediates triacylglycerol hydrolysis in adipocytes. The encoded protein, which appears to be membrane bound, may be involved in the balance of energy usage/storage in adipocytes.

Alternative Names

PNPLA3; ADPN; C22orf20; iPLA(2)epsilon; 1-acylglycerol-3-phosphate O-acyltransferase PNPLA3; acylglycerol O-acyltransferase; acylglycerol transacylase; adiponutrin; calcium-independent phospholipase A2-epsilon; iPLA2-epsilon; iPLA2epsilon; lysophosphatidic acid acyltransferase; patatin-like phospholipase domain-containing protein 3; Patatin like phospholipase domain containing 3

Gene ID

[80339](#)

UniProt ID

[Q9NST1](#)