

Product Information

MemDX™ Membrane Protein Human PNPLA2 (Patatin like phospholipase domain containing

2) Full Length

Cat. No.: **MPC4123K**

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

This product is a made-to-order Human PNPLA2 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

PNPLA2

Protein Length

Full length

Protein Class

Receptor

TMD

1

Sequence

MFPREKTWNISFAGCGFLGVYYVGVASCLREHAPFLVANATHIYGASAGA
LTATALVTGVCLGEAGAKFIEVSKEARKRFLGPLHPSFNLVKIIRSFLK
VLPADSHEHASGRLGISLTRVSDGENVIISHFNSKDELIQANVCSGFIPV
YCGLIPPSLQGVRYVDGGISDNLPYELKNTITVSPFSGESDIPQDSST
NIHELRTNTSIQFNLRNLYRLSKALFPPEPLVLRMCKQGYRDGLRFLQ
RNGLLNRPNPLLALPPARPHGPEKDKQAVESAQAEDYSQLPGEDHILEHL
PARLNEALLEACVEPTDLLTTLNMLPVRLATAMMVPTLPLESALSFTI
RLLEWLDPVPEDIRWMKEQTGSICQYLVMAKRKLGRHLP SRLPEQVELR
RVQSLPSVPLSCAAYREALPGWMRNNSLGDALAKWEECQRQLLLGLFCT
NVAFPPEALRM RAPADPAPAPADPASPQHLAGPAPLLSTPAPEARPVIG
ALGL

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**

PNPLA2

Full Name

Patatin like phospholipase domain containing 2

Introduction

This gene encodes an enzyme which catalyzes the first step in the hydrolysis of triglycerides in adipose tissue. Mutations in this gene are associated with neutral lipid storage disease with myopathy.

Alternative Names

PNPLA2; ATGL; TTS2; PEDF-R; FP17548; TTS-2.2; iPLA2zeta; 1110001C14Rik; patatin-like phospholipase domain-containing protein 2; IPLA2-zeta; TTS2.2; adipose triglyceride lipase; calcium-independent phospholipase A2; desnutrin; mutant patatin-like phospholipase domain containing 2; pigment epithelium-derived factor; transport-secretion protein 2.2; triglyceride hydrolase; Patatin like phospholipase domain containing 2

Gene ID

[57104](#)

UniProt ID

[Q96AD5](#)