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Product Information

MemDX™ Membrane Protein Human PLIN3 (Perilipin 3) for Antibody Discovery

Cat. No.: **MP1027X**
This product is for research use only and is not intended for diagnostic use.

This product is a 73.48 kDa Human PLIN3 membrane protein expressed in *in vitro* wheat germ expression system. 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
PLIN3

Protein Length
Full-length

Molecular Weight
73.48 kDa

Sequence
MSADGAEADGSTQVTVEEPVQQPSVVDRVASMPLISSTCDMVSAAYASTKESYPHVKTVCDAAEKGVRTLTAAAVSGAQPILSKLE

Product Description

Application
Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

Expression Systems
in vitro wheat germ expression system

Tag
GST-tag at N-terminal

Form
Liquid

Purification
Glutathione Sepharose 4 Fast Flow

Buffer
50 mM Tris-HCl, 150 mM NaCl, 0.05% Brij35, 1 mM DTT, 10% glycerol, pH7.5

Storage

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

Target

Target Protein

PLIN3

Full Name

Perilipin 3

Introduction

Mannose 6-phophate receptors (MPRs) deliver lysosomal hydrolase from the Golgi to endosomes and then return to the Golgi complex. The protein encoded by this gene interacts with the cytoplasmic domains of both cation-independent and cation-dependent MPRs, and is required for endosome-to-Golgi transport. This protein also binds directly to the GTPase RAB9 (RAB9A), a member of the RAS oncogene family. The interaction with RAB9 has been shown to increase the affinity of this protein for its cargo. Multiple transcript variants encoding different isoforms have been found for this gene.

Alternative Names

PP17; TIP47; M6PRBP1; perilipin-3; 47 kDa MPR-binding protein; cargo selection protein TIP47; mannose-6-phosphate receptor-binding protein 1; placental protein 17; tail-interacting protein, 47 kD; testicular tissue protein Li 114

Gene ID

10226

UniProt ID

O60664