

Product Information

MemDX™ Membrane Protein Human PLP2 (Proteolipid protein 2) for Antibody Discovery

Cat. No.: **MP1029X**

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

This product is a 43.1 kDa Human PLP2 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

PLP2

Protein Length

Full-length

Molecular Weight

43.1 kDa

TMD

4

Sequence

MADSERLSAPGCWAACTNFSRTRKGILLFAEIIICLVLICFSASTPGYSSLSVIEMILAAIFFVYMCDLHTKIPFINWPWSDFRTLIA

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**

PLP2

Full Name

Proteolipid protein 2

Introduction

This gene encodes an integral membrane protein that localizes to the endoplasmic reticulum in colonic epithelial cells. The encoded protein can multimerize and may function as an ion channel. A polymorphism in the promoter of this gene may be linked to an increased risk of X-linked cognitive disability. A pseudogene of this gene is found on chromosome 5.

Alternative Names

A4; A4LSB; proteolipid protein 2; A4 differentiation-dependent protein; differentiation-dependent protein A4; intestinal membrane A4 protein; intestinal membrane A4 protein

Gene ID

[5355](#)

UniProt ID

[Q04941](#)