

Product Information

MemDX™ Membrane Protein Human CDIPT (CDP-diacylglycerol--inositol 3-phosphatidyltransferase) for Antibody Discovery

Cat. No.: **MP0209X**

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

This product is a 49.14 kDa Human CDIPT 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

CDIPT

Protein Length

Full-length

Molecular Weight

49.14 kDa

TMD

5

Sequence

MPDENIFLFPVNLIGYARIVFAISFYFMPCCPLTASSFYLLSGLLDAFDGHAARALNQGTRFGAMLDMLTDRCSTMCLLVNLALLYPG

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, 10 mM reduced Glutathione, pH=8.0 in the elution buffer

Storage

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

Target**Target Protein**

CDIPT

Full Name

CDP-diacylglycerol--inositol 3-phosphatidyltransferase

Introduction

Phosphatidylinositol breakdown products are ubiquitous second messengers that function downstream of many G protein-coupled receptors and tyrosine kinases regulating cell growth, calcium metabolism, and protein kinase C activity. Two enzymes, CDP-diacylglycerol synthase and phosphatidylinositol synthase, are involved in the biosynthesis of phosphatidylinositol. Phosphatidylinositol synthase, a member of the CDP-alcohol phosphatidyl transferase class-I family, is an integral membrane protein found on the cytoplasmic side of the endoplasmic reticulum and the Golgi apparatus. Several transcript variants encoding different isoforms have been found for this gene

Alternative Names

MGC1328; PIS; PIS1; CDP-diacylglycerol--inositol 3-phosphatidyltransferase; PI synthase; PtdIns synthase; phosphatidylinositol synthase

Gene ID

[10423](#)

UniProt ID

[Q14735](#)