

Recombinant Full Length Human CDIPT Protein, GST-tagged

Cat. No. CDIPT-3153HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human CDIPT full-length ORF (AAH01444, 1 a.a. - 213 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	213 amino acids
Description	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. [provided by RefSeq, Nov 2013]
Molecular Mass	49.17 kDa
AA Sequence	MPDENIFLVFVFNLIGYARIVFAIISFYFMPCCPLTASSFYLLSGLLDAFDGHAARALNQ GTRFGAMLDMLTDR CSTMCLLVNLALLYPGATLFFQISM SLDVASHWLHLHSSVVR GSESHKMIDLSGNPVLRIYYTSRPALFTLCAGNELFYCLLYLFHFSEGPLVGSVGLFR MGLWVTAPIALLKSLISVIHLITAARNMAALDAADRAKK

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	CDIPT CDP-diacylglycerol--inositol 3-phosphatidyltransferase [Homo sapiens]
Official Symbol	CDIPT
Synonyms	CDIPT; CDP-diacylglycerol--inositol 3-phosphatidyltransferase; CDP diacylglycerol inositol 3 phosphatidyltransferase (phosphatidylinositol synthase); phosphatidylinositol synthase; PIS; PIS1; PI synthase; PtdIns synthase; MGC1328;
Gene ID	10423
mRNA Refseq	NM_006319
Protein Refseq	NP_006310
MIM	605893
UniProt ID	O14735

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA