

Recombinant Human CDIPT Protein, GST-Tagged

Cat. No. CDIPT-0998H 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	Wheat Germ
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	MPDENIFLFVPNLIGYARIVFAIISFYFMPCCPLTASSFYLLSGLLDAFDGHAARALNQ GTRFGAMLDMLTDRCSMCLLVNLALLYPGATLFFQISMSLDVASHWLHLHSSVVR GSESHKMIDLSGNPVLRIYYTSRPALFTLCAGNELFYCLLYLFHFSEGPLVGSVGLFR MGLWVTAPIALLKSLISVIHLITAARNMAALDAADRAKKK
Applications	Enzyme-linked Immunoabsorbent Assay

 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

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](#)

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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