

Recombinant Human CDIPT 293 Cell Lysate

Cat. No. CDIPT-7634HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for CDP-diacylglycerol--inositol 3-phosphatidyltransferase (phosphatidylinositol synthase) (CDIPT) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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

**Chromosome
Location**

16p12.1

Pathway

3-phosphoinositide biosynthesis, organism-specific biosystem; 3-phosphoinositide biosynthesis, conserved biosystem; D-myo-inositol (1,4,5)-trisphosphate biosynthesis, organism-specific biosystem; D-myo-inositol (1,4,5)-trisphosphate biosynthesis, conserved biosystem; Glycerophospholipid metabolism, organism-specific biosystem;

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Glycerophospholipid metabolism, conserved biosystem; Inositol phosphate metabolism, organism-specific biosystem;

Function

CDP-diacylglycerol-inositol 3-phosphatidyltransferase activity; alcohol binding; diacylglycerol binding; manganese ion binding; phosphotransferase activity, for other substituted phosphate groups; sugar binding; transferase activity;

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