

Recombinant Human CDS1 293 Cell Lysate

Cat. No. CDS1-7605HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for CDP-diacylglycerol synthase (phosphatidate cytidyltransferase) 1 (CDS1) 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

CDS1 CDP-diacylglycerol synthase (phosphatidate cytidylyltransferase) 1 [Homo sapiens]

Official Symbol

CDS1

Synonyms

CDS1; CDP-diacylglycerol synthase (phosphatidate cytidylyltransferase) 1; phosphatidate cytidylyltransferase 1; CDS 1; CDP-DG synthase 1; CDP-DAG synthase 1; CDP-DG synthetase 1; CDP-diglyceride synthase 1; CDP-diglyceride synthetase 1; CDP-diacylglycerol synthase 1; CDP-diglyceride pyrophosphorylase 1; CTP:phosphatidate cytidylyltransferase 1; CDS;

Gene ID

1040

mRNA Refseq

NM_001263

Protein Refseq

NP_001254

MIM

603548

UniProt ID

Q92903

Chromosome Location

4q21

Pathway

CDP-diacylglycerol biosynthesis I, organism-specific biosystem; Glycerophospholipid

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metabolism, organism-specific biosystem; Glycerophospholipid metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; Phosphatidylinositol signaling system, organism-specific biosystem; Phosphatidylinositol signaling system, conserved biosystem; phosphatidylglycerol biosynthesis II (non-plastidic), organism-specific biosystem;

Function

diacylglycerol cholinephosphotransferase activity; nucleotidyltransferase activity; phosphatidate cytidyltransferase activity;

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