

Recombinant Human PCYT2 293 Cell Lysate

Cat. No. PCYT2-3365HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for phosphate cytidyltransferase 2, ethanolamine (PCYT2) 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 PCYT2 phosphate cytidylyltransferase 2, ethanolamine [Homo sapiens]

Official Symbol PCYT2

Synonyms PCYT2; phosphate cytidylyltransferase 2, ethanolamine; ethanolamine-phosphate cytidylyltransferase; ET; phosphorylethanolamine transferase; CTP:phosphoethanolamine cytidylyltransferase;

Gene ID 5833

mRNA Refseq NM_001184917

Protein Refseq NP_001171846

MIM 602679

UniProt ID Q99447

Chromosome Location 17q25.3

Pathway Glycerophospholipid metabolism, organism-specific biosystem; Glycerophospholipid metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; Phosphatidylethanolamine (PE) biosynthesis, ethanolamine =>PE, organism-specific biosystem; Phosphatidylethanolamine (PE) biosynthesis, ethanolamine => PE,

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conserved biosystem;

Function

ethanolamine-phosphate cytidyltransferase activity; nucleotidyltransferase activity;
transferase activity;

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