

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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