

Recombinant Human PCYT1A 293 Cell Lysate

Cat. No. PCYT1A-3366HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for phosphate cytidyltransferase 1, choline, alpha (PCYT1A) 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

PCYT1A phosphate cytidylyltransferase 1, choline, alpha [Homo sapiens]

Official Symbol

PCYT1A

Synonyms

PCYT1A; phosphate cytidylyltransferase 1, choline, alpha; PCYT1, phosphate cytidylyltransferase 1, choline, alpha isoform; choline-phosphate cytidylyltransferase A; CT; CTPCT; phosphate cytidylyltransferase 1; choline; alpha isoform; CT A; CCT A; CCT-alpha; phosphorylcholine transferase A; CTP:phosphocholine cytidylyltransferase A; CTA; CCTA; PCYT1;

Gene ID

5130

mRNA Refseq

NM_005017

Protein Refseq

NP_005008

MIM

123695

UniProt ID

P49585

Chromosome Location

3q29

Pathway

Acetylcholine Synthesis, organism-specific biosystem; Glycerophospholipid metabolism, organism-specific biosystem; Glycerophospholipid metabolism,

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conserved biosystem; Metabolic pathways, organism-specific biosystem;
Phosphatidylcholine (PC) biosynthesis, choline =>PC, organism-specific biosystem;
Phosphatidylcholine (PC) biosynthesis, choline =>

Function

choline-phosphate cytidyltransferase activity; lipid binding; nucleotidyltransferase activity; transferase activity;

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