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 cytidylyltransferase 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 cytidylyltransferase activity; lipid binding; nucleotidyltransferase activity; transferase activity;

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