

Recombinant Human PCYT2 protein, MYC/DDK-tagged

Cat. No. PCYT2-126H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PCYT2 fused with MYC/DDK tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
Description	This gene encodes an enzyme that catalyzes the formation of CDP-ethanolamine from CTP and phosphoethanolamine in the Kennedy pathway of phospholipid synthesis. Alternative splicing results in multiple transcript variants.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	43.7 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name	PCYT2 phosphate cytidyltransferase 2, ethanolamine [Homo sapiens]
Official Symbol	PCYT2

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Synonyms	PCYT2; phosphate cytidyltransferase 2, ethanolamine; ethanolamine-phosphate cytidyltransferase; ET; phosphorylethanolamine transferase; CTP:phosphoethanolamine cytidyltransferase;
Gene ID	5833
mRNA Refseq	NM_002861
Protein Refseq	NP_002852
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, conserved biosystem;
Function	ethanolamine-phosphate cytidyltransferase activity; nucleotidyltransferase activity; transferase activity;