

Recombinant Mouse Pcyt2 Protein, Myc/DDK-tagged

Cat. No. Pcyt2-4726M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length phosphate cytidyltransferase 2, ethanolamine (Pcyt2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Ethanolamine-phosphate cytidyltransferase that catalyzes the second step in the synthesis of phosphatidylethanolamine (PE) from ethanolamine via the CDP-ethanolamine pathway Phosphatidylethanolamine is a dominant inner-leaflet phospholipid in cell membranes, where it plays a role in membrane function by structurally stabilizing membrane-anchored proteins, and participates in important cellular processes such as cell division, cell fusion, blood coagulation, and apoptosis
Molecular Mass	45.7 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Pcyt2 phosphate cytidylyltransferase 2, ethanolamine \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Pcyt2](#)

Synonyms PCYT2; phosphate cytidylyltransferase 2, ethanolamine; ethanolamine-phosphate cytidylyltransferase; phosphorylethanolamine transferase; CTP:phosphoethanolamine cytidylyltransferase; ET; 1110033E03Rik

Gene ID [68671](#)

mRNA Refseq [NM_024229](#)

Protein Refseq [NP_077191](#)

UniProt ID [Q922E4](#)

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