

Phosphate Cytidylyltransferase 2 Human Recombinant

Item Number	rAP-1949
Synonyms	Ethanolamine-phosphate cytidylyltransferase, CTP:phosphoethanolamine cytidylyltransferase, Phosphorylethanolamine transferase, PCYT2, ET.
Description	PCYT2 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 409 amino acids (1-389) and having a molecular mass of 45.9kDa.PCYT2 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q99447
Amino Acid Sequence	MGSSHHHHH SSSLVPRGSH MIRNARGAAG GAEQPGPGGR RAVRVWCDGC YDMVHYGHSN QLR-QARAMGD YLIVGVHTDE EIAKHKGPPV FTQEERYKMV QAIKWVDEVV PAAPYVTTLT TLDKYNCDFC VHGNDITLTV DGRDITYEEVK QAGRYRECKR TQGVSTTDLV GRMLLVTKAH HSSQEMSSEY REYADSFQK PGGRNPWTGV SQFLQTSQKI IQFASGKEPQ PGETVIYVAG AFDLFHIGHV DFLEKVRH-LA ERPYIIAGLH FDQEVNHYKG KNYPIMLLHE RTLSVLACRY VSEVVIGAPY AVTAELLSHF KVDLVCHGKT EIIPDRDGS PYQEPKRRGI FRQIDSGSNL TTDLIVQRIL TNRLEYEARN QKKEAKELAF LEARQQAQ PLGERDGDF.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Formulation and Purity	The PCYT2 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl, 1mM DTT and 0.1mM PMSF. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**