

## 32-2648: PCYT2 Recombinant Protein

**Alternative Name** : Ethanolamine-phosphate cytidyltransferase,CTP:phosphoethanolamine cytidyltransferase,Phosphorylethanolamine transferase,PCYT2,ET.

### Description

Source : Escherichia Coli. 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. PCYT2 is a member of the cytidyltransferase family. PCYT2 is an enzyme which catalyzes the formation of CDP-ethanolamine from CTP and phosphoethanolamine in the Kennedy pathway of phospholipid synthesis. PCYT2 has the strongest expression in the liver, heart, and skeletal muscle.

### Product Info

**Amount :** 5 µg

**Purification :** Greater than 90.0% as determined by SDS-PAGE.

**Content :** The PCYT2 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl, 1mM DTT and 0.1mM PMSF.

**Storage condition :** 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.

**Amino Acid :** MGSSHHHHHH SSSLVPRGSH MIRNGRGAAG GAEQPGGGR RAVRVWCDGC YDMVHYGHSN QLRQARAMGD YLIVGVHTDE EIAKHKGPPV FTQEERYKMV QAIKWVDEVV PAAPYVTTLT TLDKYNCDFC VHGNDITLTV DGRDYEYEVK QAGRYRECKR TQGVSTDLV GRMLLVTKAH HSSQEMSSEY REYADSFQKC PGGRNPWTGV SQFLQTSQKI IQFASGKEPQ PGETVIYVAG AFDLFHIGHV DFLEKVHRLA ERPYIIAGLH FDQEVNHYKG KNPIMNLHE RTLSVLACRY VSEVVIGAPY AVTAELLSHF KVDLVCHGKT EIIPDRDGS D PYQEPKRRGI FRQIDSGSNL TTDLIVQR II TNRLEYEARN QKKEAKELAF LEAARQQAAQ PLGERDGDF.