

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 SSGLVPRGSH MIRNGRGAAG GAEQPGPGGR RAVRVWCDGC
YDMVHYGHSN QLRQARAMGD YLIVGVHTDE EIAKHKGPPV FTQEERYKMV QAIKWVDEVV
PAAPYVTTLE TLDKYNCFDC VHGNDITLV DGRDYEYEVK QAGRYRECKR TQGVSTTDLV
GRMLLVTKAH HSSQEMSSEY REYADSFQK PGGRNPWTGV SQFLQTSQKI IQFASGKEPQ
PGETVIYVAG AFDLFHIGHV DFLEKVHRLA ERPYIIAGLH FDQEVNHYKG KNYPIIMNLHE
RTLSVLACRY VSEVVIGAPY AVTAELLSHF KVDLVCHGKT EIIPDRDGSD PYQEPKRRGI
FRQIDSGSNL TTDLIVQR II TNRLEYEARN QKKEAKELAF LEARQQAQ PLGERDGD F.

