

PCYT2 Human

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.

Catalog #: ENPS-228

For research use only.

Synonyms: Ethanolamine-phosphate cytidyltransferase, CTP:phosphoethanolamine cytidyltransferase, Phosphorylethanolamine transferase, PCYT2, ET.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHH SSGLVPRGSH MIRNGRGAAG GAEQPGPGGR
RAVRVWCDGC YDMVHYGHSN QLRQARAMGD YLIVGVHTDE EIAKHKGPPV FTQEERYKMV
QAIKWVDEVV PAAPYVTTLT TLDKYNCDFC VHGN DITLTV DGRD TYEEVK QAGRYRECKR
TQGVSTTDLV GRMLLVTKAH HSSQEMSSEY REYADSFSGKC PGGRNPWTGV SQFLQTSQKI
IQFASGKEPQ PG

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

Formulation:

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

Stability:

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

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.

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