

**PCYT2, 1-389aa, Human, His tag E.coli**

**Cat.NO.: TP03313**

3th Edition

**Synonyms:**Ethanolamine-phosphate cytidyltransferase isoform 2, ET.

**Description:**PCYT2 is an enzyme that catalyzes the formation of CDP-ethanolamine from CTP and phosphoethanolamine in the Kennedy pathway of phospholipid synthesis. Alternative splicing results in multiple transcript variants. Recombinant human PCYT2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

**Form:**Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 0.1M NaCl,1mM DTT, 0.1mM PMSF

**Molecular Weight:**45.9 kDa (409aa), confirmed by MALDI-TOF

**Sequences:**

```
MGSSHHHHHSSGLVPRGSHMIRNGRGAAGGAEQPGPGGRRAVRVWCDGCVDMVHYGHSNQLRQARAMGDY
LIVGVHTDEEIAKHKGPPVFTQEERYKMVQAIKWVDEVVPAAPYVTTLETLDKYNCDFCVHGNDITLTVDGRDTYEE
VKQAGRYRECKRTQGVSTTDLVGRMLLVTKAHHSSQEMSSEYREYADSF GKCPGGRNPWTGVSQFLQTSQKIIQ
FASGKEPQPGETVIYVAGAFDLFHIGHVDFLEKVVHRLAERPYYIIAGLHFDQEVNHYKGKNYPIMNLHERTLSVLACRY
VSEVVIGAPYAVTAELLSHFVLDLVCHGKTEIIPDRDGS DPYQEPKRRGIFRQIDSGSNLTTDLIVQRIITNRLEYEAR
NQKKEAKELAFLEAARQQAQPLGERDGDF
```

**Purity:**> 95% by HPLC

**Concentration:**0.25 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.