

**DCTPP1, 1-170aa, Human, His tag, E.coli**

**Cat.NO.: TP01845**

3th Edition

**Synonyms:**dCTP pyrophosphatase 1, CDA03, RS21C6, XTP3TPA.

**Description:**DCTPP1, also known as dCTP pyrophosphatase 1, contains an epilepsy-associated repeat (EAR) domain that is predicted to participate in protein-protein interactions, most likely involved in ligand recognition. This protein functions to hydrolyze abnormal nucleotide triphosphates (NTPs) in cancer cells that, if unregulated, could be incorporated into nascent DNA or RNA.

**Form:**Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl

**Molecular Weight:**21.2 kDa (194aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMGSHMSVAGGEIRGDTGGEDTAAPGRFSFSPEPTLEDIRRLHAEFAAERDWEQF  
HQPRNLLLALVGEVGELAEQWKTGEPGPQGWSRERAAALQEELSDVLIYLVALAARCRVDLPLAVLSKMDINR  
RRYPAHLARSSSRKYTELPHGAISEDQAVGPADIPCDSTGQTST

**Purity:**> 95% by HPLC

**Concentration:**0.5 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.