

Recombinant Human DCTP Pyrophosphatase 1, His-tagged

Cat. No. DCTPP1-1381H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinanthuman DCTPP1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by conventional chromatography.
Species	Human
Source	E.coli
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. Recombinant human DCTPP1 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 10% glycerol 0.1M NaCl.
Molecular Weight	21.2 kDa (194aa), confirmed by MALDI-TOF.
Purity	> 90% by SDS-PAGE
Concentration	0.5 mg/ml (determined by Bradford assay)
Sequences of aminoacids	MGSSHHHHHHSSGLVPRGSH MGS HMSVAGG EIRGDTGGED TAAPGRFSFS PEPTLEDIRR LHAEEFAAERDWEQFHQPRNL LLALVGEVGE LAELFQWKTD

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GEPGPQGWSP RERAALQEELSDVLIYLVAL AARCRVDLPL AVLSKMDINR
RRYPAHLARS SSRKYTELPH GAISEDQAVG PADIPCDSTGQTST

Storage

Can bestored at +4°C short term (1-2 weeks). For long term storage, aliquot andstore at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name [DCTPP1 dCTP pyrophosphatase 1 \[Homo sapiens \]](#)

Official Symbol [DCTPP1](#)

Synonyms

DCTPP1;dCTP pyrophosphatase 1; CDA03; RS21C6; MGC5627; XTP3TPA;
dCTPpyrophosphatase 1; dCTPase 1; OTTHUMP00000163253; XTP3-transactivated
proteinA; deoxycytidine-triphosphatase 1; XTP3-transactivated gene A protein

Gene ID [79077](#)

mRNA Refseq [NM_024096](#)

Protein Refseq [NP_077001](#)

UniProt ID [Q9H773](#)

**Chromosome
Location** 16p11.2

Function

dCTP diphosphataseactivity; hydrolase activity; magnesium ion binding; nucleoside-
triphosphatediphosphatase activity; nucleotide binding; pyrimidine
deoxyribonucleotidebinding

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