

Product information

DCTPP1, 1-170aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1381

Full name: dCTP pyrophosphatase 1

NCBI Accession No.: NP_077001

Synonyms: 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. Recombinant human DCTPP1 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography.

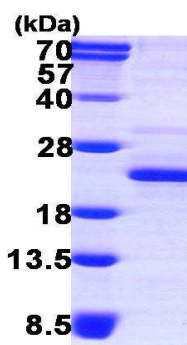
Form: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol

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)



12% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MGSMSVAGG EIRGDTGGED TAAPGRFSFS PEPTLEDIRR LHAFAAERD WEQFHQPRNL LLALVGEVGE
LAELFQWKTD GEPGPQGWSP RERAALQEEL SDVLIYLVAL AARCRVDLPL AVLSKMDINR RRYPAHLARS SSRKYTELPH GAISEDQAVG
PADIPCSTG QTST

General references:

Moroz O.V. *et al.* (2005) *J. Mol. Biol.* 347: 243-255.

Rual J.F. *et al.* (2005) *Nature* 437:1173-1178.

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Immuno-Biological Laboratories, Inc. (IBL-America)
8201 Central Ave. NE, Suite P, Minneapolis, Minnesota 55432, USA
Phone: (888) 523-1246 Fax.: (763) 780-2988
Email: info@ibl-america.com Web: www.ibl-america.com