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Recombinant human DCTPP1 protein

Catalog Number: ATGP1381

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-170aa

UniProt No.
Q9H773

NCBI Accession No.
NP_077001

Alternative Names
Deoxycytidine-triphosphatase 1, dCTPase 1, dCTP pyrophosphatase 1, CDA03, RS21C6, XTP3TPA

PRODUCT SPECIFICATION

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

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.1M NaCl

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

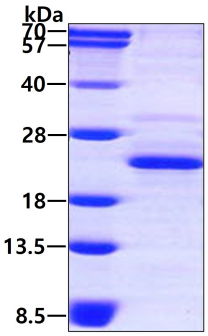
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General References

Moroz O.V. et al. (2005) J. Mol. Biol. 347: 243-255.
Rual J.F. et al. (2005) Nature 437:1173-1178.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.