
Product Data Sheet

Product Name: DCTPP1 Human
 Cat. No.: GP21545
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	dCTP pyrophosphatase 1; RS21C6; XTP3TPA; Deoxycytidine-triphosphatase 1; dCTPase 1; XTP3-transactivated gene A protein; CDA03; MGC5627; XTP3-transactivated protein A; EC 3.6.1.12.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMSVAGG EIRGDTGGED TAAPGRFSFS PEPTLEDIRR LHAFAAERD WEQFHQPRNL LLALVGEVGE LAELFQWKTD GEPGPQGWSP RERAALQEEL SDVLIYLVAL AARCRVDLPL AVLSKMDINR RRYPAHLARS SSRKYTELPH GAISEDQAVG PADIPCDSTG QTST.		
Formulation	The DCTPP1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl and 10% glycerol.		

Introduction

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.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

DCTPP1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 194 amino acids (1-170) and having a molecular mass of 21.2kDa. DCTPP1 is fused to a 24 amino acid His-tag at N-terminus & purified by

Caution: Product has not been fully validated for medical applications. For research use only.

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proprietary chromatographic techniques.

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