

Product datasheet for PH301727

XTP3TPA (DCTPP1) (NM_024096) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DCTPP1 MS Standard C13 and N15-labeled recombinant protein (NP_077001)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201727
Predicted MW:	18.7 kDa
Protein Sequence:	>RC201727 protein sequence Red=Cloning site Green=Tags(s) MSVAGGEIRGDTGGEDTAAPGRFSFSPEPTLEDIRRLHAEFAAERDWEQFHQPRNLLLALVGEVGEAEEL FQWKTDGEGPQGWSRERAALQEELSDVLIYLVALAARCRVDLPLAVLSKMDINRRRYPAPHLARSSSRK YTELPHGAISEDQAVGPADIPCDSTGQTST TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_077001
RefSeq Size:	1143
RefSeq ORF:	510
Synonyms:	CDA03; RS21C6; XTP3TPA
Locus ID:	79077
UniProt ID:	Q9H773



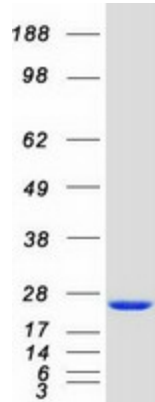
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Cytogenetics: 16p11.2

Summary: The protein encoded by this gene is dCTP pyrophosphatase, which converts dCTP to dCMP and inorganic pyrophosphate. The encoded protein also displays weak activity against dTTP and dATP, but none against dGTP. This protein may be responsible for eliminating excess dCTP after DNA synthesis and may prevent overmethylation of CpG islands. Three transcript variants, one protein-coding and the other two non-protein coding, have been found for this gene. [provided by RefSeq, Dec 2015]

Protein Families: Stem cell - Pluripotency

Product images:



Coomassie blue staining of purified DCTPP1 protein (Cat# [TP301727]). The protein was produced from HEK293T cells transfected with DCTPP1 cDNA clone (Cat# [RC201727]) using MegaTran 2.0 (Cat# [TT210002]).