

## Product datasheet for **TP317231M**

### DCTD (NM\_001921) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human dCMP deaminase (DCTD), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC217231 representing NM_001921
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MVGGGQPCGPNMSEVSCKKRDDYLEWPEYFMAVAFLSAQRSKDPNSQVGACIVNSENKIVGIGYNGMPNG  
CSDDVLPWRRTAENKLDTKYPYVCHAELNAIMNKNSTDVKGCSMYVALFPCNECAKLIQAGIKEVIFMS  
DKYHDSDEATAARLLFNMAGVTFRKFIKCSKIVIDFDSINSRPSQKLQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	19.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_001912</a>
Locus ID:	1635
UniProt ID:	<a href="#">P32321</a>
RefSeq Size:	2019



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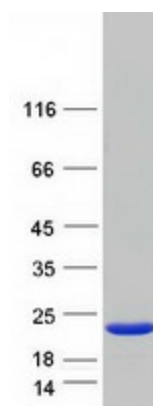
Cytogenetics: 4q35.1

RefSeq ORF: 567

**Summary:** The protein encoded by this gene catalyzes the deamination of dCMP to dUMP, the nucleotide substrate for thymidylate synthase. The encoded protein is allosterically activated by dCTP and inhibited by dTTP, and is found as a homo-hexamer. This protein uses zinc as a cofactor for its activity. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

**Protein Pathways:** Metabolic pathways, Pyrimidine metabolism

### Product images:



Coomassie blue staining of purified DCTD protein (Cat# [TP317231]). The protein was produced from HEK293T cells transfected with DCTD cDNA clone (Cat# [RC217231]) using MegaTran 2.0 (Cat# [TT210002]).