

## Recombinant Human DCTD, T7 -tagged

Cat. No. DCTD-27369TH Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant DCTD fusion protein (Human).Fusion: T7 tag at N-terminus.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	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 homohexamer. This protein uses zinc as a cofactor for its activity. Two transcript variants encoding different isoforms have been found for this gene.
<b>Conjugation</b>	T7
<b>Form</b>	Liquid
<b>Purity</b>	>95% by SDS-PAGE
<b>Storage buffer</b>	Preservative: 0.002% Sodium Azide Constituents: 0.1% Triton X-100, 10mM Tris, pH 8.0
<b>Storage</b>	Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.
<b>Sequence Similarities</b>	Belongs to the cytidine and deoxycytidylate deaminase family.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

## GENE INFORMATION

<b>Gene Name</b>	DCTD dCMP deaminase [ Homo sapiens ]
<b>Official Symbol</b>	DCTD
<b>Synonyms</b>	DCTD; dCMP deaminase; deoxycytidylate deaminase;
<b>Gene ID</b>	1635
<b>mRNA Refseq</b>	NM_001012732
<b>Protein Refseq</b>	NP_001012750
<b>MIM</b>	607638
<b>Uniprot ID</b>	P32321
<b>Chromosome Location</b>	4q35.1
<b>Pathway</b>	Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of nucleotides, organism-specific biosystem; Pyrimidine biosynthesis, organism-specific biosystem; Pyrimidine metabolism, organism-specific biosystem;
<b>Function</b>	dCMP deaminase activity; hydrolase activity, acting on carbon-nitrogen (but not peptide) bonds; metal ion binding; zinc ion binding;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA