

# Recombinant Human DCTD Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** DCTD-4638H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	DCTD MS Standard C13 and N15-labeled recombinant protein (NP_001912) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<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>Molecular Mass</b>	21.01 kDa
<b>AA Sequence</b>	MVGGGQPCGPNMSEVSCCKRDDYLEWPEYFMAVAFLSAQRSKDPNSQVGACIVN SENKIVGIGYNGMPNGCSDDVLPWRRRTAENKLDTKYPYVCHAELNAIMNKNSTDVK GCSMYVALFPCNECAKLIQAGIKEVIFMSDKYHDSDEATAARLLFNMAGVTFRKFIP KCSKIVIDFDSINSRPSQKLQTRTRPLEQKLISEEDLAANDILDYKDDDDKV
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.

 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

<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
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<b>Concentration</b>	50 µg/mL as determined by BCA
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<b>Storage Buffer</b>	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
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## GENE INFORMATION

<b>Gene Name</b>	DCTD dCMP deaminase [ Homo sapiens (human) ]
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<b>Official Symbol</b>	DCTD
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<b>Synonyms</b>	DCTD; dCMP deaminase; deoxycytidylate deaminase; MGC111062;
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<b>Gene ID</b>	1635
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<b>mRNA Refseq</b>	NM_001921
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<b>Protein Refseq</b>	NP_001912
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<b>MIM</b>	607638
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<b>UniProt ID</b>	P32321
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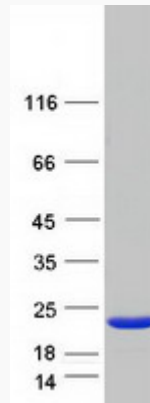
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SDS-PAGE



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