

Recombinant Full Length Human DCTD Protein, GST-tagged

Cat. No. DCTD-2937HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DCTD full-length ORF (NP_001012750.1, 1 a.a. - 189 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	189 amino acids
Description	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. [provided by RefSeq, Jul 2008]
Molecular Mass	47.4 kDa
AA Sequence	MVGGGQPCGPNMSEVSCKKRDDYLEWPEYFMAVAFLSAQRSKDPNSQVGACIVN SENKIVGIGYNGMPNGCSDDVLPWRRRTAENKLDTKYPYVCHAEINAIMNKNSTDVK GCSMYVALFPCNECAKLIIQAGIKEVIFMSDKYHDSDEATAARLLFNMAGVTFRKFIP KCSKIVIDFDSINSRPSQKLQ
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production

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Protein Array

Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	DCTD dCMP deaminase [Homo sapiens]
Official Symbol	DCTD
Synonyms	DCTD; dCMP deaminase; deoxycytidylate deaminase; MGC111062;
Gene ID	1635
mRNA Refseq	NM_001012732
Protein Refseq	NP_001012750
MIM	607638
UniProt ID	P32321

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