

## 32-2257: DCTD Recombinant Protein

**Alternative Name :** Deoxycytidylate deaminase, EC 3.5.4.12, dCMP Deaminase, DCTD, MGC111062.

### Description

Source : Escherichia Coli. DCTD Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 198 amino acids (1-178 a.a.) and having a molecular mass of 22.1 kDa. The DCTD is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. DCTD is an allosteric enzyme that exists as a homohexamer and is part of the cytidine and deoxycytidylate deaminase protein family. DCTD uses zinc as a cofactor to catalyze the deamination of dCMP to dUMP, thus making the nucleotide substrate (dUMP) that is used by thymidylate synthase.

### Product Info

<b>Amount :</b>	25 µg
<b>Purification :</b>	Greater than 90.0% as determined by SDS-PAGE.
<b>Content :</b>	The DCTD solution (0.5mg/ml) contains 20mM Tris-HCl pH-8, 1mM DTT, 1mM EDTA & 20% glycerol.
<b>Storage condition :</b>	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
<b>Amino Acid :</b>	MGSSHHHHHH SSGLVPRGSH MSEVSCKKRD DYLEWPEYFM AVAFLSAQRS KDPNSQVGAC IVNSENKIVG IGYNGMPNGC SDDVLPWRRRT AENKLDTKYP YVCHAEINAI MNKNSTDVKG CSMYVALFPC NECAKLIQA GIKEVIFMSD KYHDSDEATA ARLLFNMAGV TFRKFIPKCS KIVIDFDSIN SRPSQKLQ.