

Product datasheet for **AR09552PU-L**

DCTD (1-178, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	DCTD (1-178, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MSEVSCKKRD DYLEWPEYFM AVAFLSAQRS KDPNSQVGAC IVNSENKIVG IGYNGMPNGC SDDVLPWRRRT AENKLDTKYP YVCHAELNAI MNKNSTDVKG CSMYVALFPC NECAKLIIQA GIKEVIFMSD KYHDSDEATA ARLLFNMAGV TFRKFIPKCS KIVIDFDSIN SRPSQKLQ
Tag:	His-tag
Predicted MW:	22.1 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 1 mM DTT, 20% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human DCTD protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_001012750</u>
Locus ID:	1635
UniProt ID:	<u>P32321</u>
Cytogenetics:	4q35.1



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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 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]

Protein Pathways:

Metabolic pathways, Pyrimidine metabolism

Product images:

15% SDS-PAGE (3ug)