

Product datasheet for AR09552PU-L

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com

OriGene Technologies, Inc.

CN: techsupport@origene.cn

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:

MGSSHHHHHH SSGLVPRGSH MSEVSCKKRD DYLEWPEYFM AVAFLSAQRS KDPNSQVGAC IVNSENKIVG IGYNGMPNGC SDDVLPWRRT AENKLDTKYP YVCHAELNAI MNKNSTDVKG

CSMYVALFPC NECAKLIIQA GIKEVIFMSD KYHDSDEATA ARLLFNMAGV TFRKFIPKCS KIVIDFDSIN

SRPSQKLQ

Tag:His-tagPredicted MW:22.1 kDaConcentration: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.

RefSeg: NP 001012750

 Locus ID:
 1635

 UniProt ID:
 P32321

 Cytogenetics:
 4q35.1





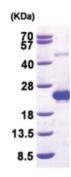
Summary: The protein encoded by this gene catalyzes the deamination of dCMP to dUMP, the

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)