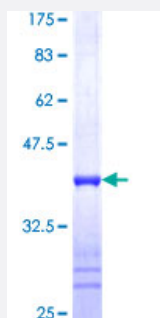


DCTD (Human) Recombinant Protein (Q01)

Catalog # H00001635-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human DCTD partial ORF (NP_001912.2, 69 a.a. - 178 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	RTAENKLDTKYPYVCHAEINAIMNKNSTDVKGCSMYVALFPCNECAKLIQAGIKEVIFMSDKYHDS DEATAARLLFNMAGVTFRKFIPKCSKVIDFDSINSRPSQKLQ
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — DCTD

Entrez GeneID [1635](#)

GeneBank Accession# [NM_001921.2](#)

Protein Accession# [NP_001912.2](#)

Gene Name DCTD

Gene Alias MGC111062

Gene Description dCMP deaminase

Omim ID [607638](#)

Gene Ontology [Hyperlink](#)

Gene 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]

Other Designations deoxycytidylate deaminase

Pathway

- [Metabolic pathways](#)
- [Pyrimidine metabolism](#)

Disease

- [Adenocarcinoma](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Kidney Failure](#)
- [Neutropenia](#)
- [Pancreatic Neoplasms](#)