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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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DCTD Validated Chimera RNAi

Catalog # : H00001635-R01V

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens dCMP deaminase (DCTD), transcript variant 1, mRNA.

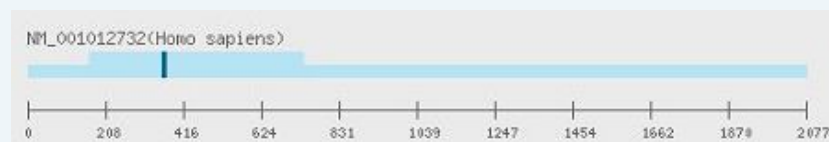
Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_001012732

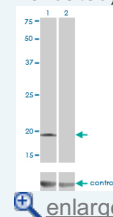
Storage Instruction: Store at -20°C, do not exceed 4 - 5 freeze-thaw cycles to ensure product integrity.

Note: Position of the Chimera RNAi.



Application Image

RNAi Knockdown (Antibody validated)

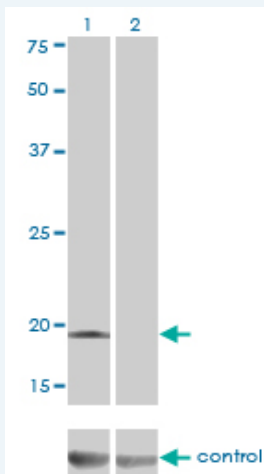


Publication Reference


- [dsCheck: highly sensitive off-target search software for double-stranded RNA-mediated RNA interference.](#)
Naito Y, Yamada T, Matsumiya T, Ui-Tei K, Saigo K, Morishita S. *Nucleic Acids Res.* 2005 Jul 1;33(Web Server issue):W589-91.
- [Functional dissection of siRNA sequence by systematic DNA substitution: modified siRNA with a DNA seed arm is a powerful tool for mammalian gene silencing with significantly reduced off-target effect.](#)
Ui-Tei K, Naito Y, Zenno S, Nishi K, Yamato K, Takahashi F, Juni A, Saigo K. *Nucleic Acids Res.* 2008 Apr;36(7):2136-51. Epub 2008 Feb 11.
- [Guidelines for the selection of highly effective siRNA sequences for mammalian and chick RNA interference.](#)
Ui-Tei K, Naito Y, Takahashi F, Haraguchi T, Ohki-Hamazaki H, Juni A, Ueda R, Saigo K. *Nucleic Acids Res.* 2004 Feb 9;32(3):936-48. Print 2004.
- [siDirect: highly effective, target-specific siRNA design software for mammalian RNA interference.](#)
Naito Y, Yamada T, Ui-Tei K, Morishita S, Saigo K. *Nucleic Acids Res.* 2004 Jul 1;32(Web Server issue):W124-9.

Applications

RNAi Knockdown (Antibody validated)



Western blot analysis of DCTD over-expressed 293 cell line, cotransfected with DCTD Validated Chimera RNAi (Cat # H00001635-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with DCTD monoclonal antibody (M01), clone 4B9 (Cat # H00001635-M01). GAPDH (36.1 kDa) used as specificity and loading control.

 [Protocol Download](#)

Gene Information

Entrez GeneID: [1635](#)

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

Gene Pathway

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

Related Disease

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