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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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DCTD Pre-design Chimera RNAi

Catalog # : H00001635-R02

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens dCMP deaminase (DCTD), transcript variant 2, mRNA.

Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_001921

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

Note: Position of the Chimera RNAi.
The related RNAi products listed below were designed from different accession number but sharing the same RNAi sequence.



Application Image

RNAi Knockdown

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

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

[Adenocarcinoma](#) [Breast cancer](#) [Breast Neoplasms](#) [Carcinoma, Pancreatic Ductal](#)
[Kidney Failure, Chronic](#) [Neutropenia](#) [Pancreatic Neoplasms](#)

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