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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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NT5E Pre-design Chimera RNAi

Catalog # : H00004907-R01

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens 5'-nucleotidase, ecto (CD73) (NT5E), mRNA.

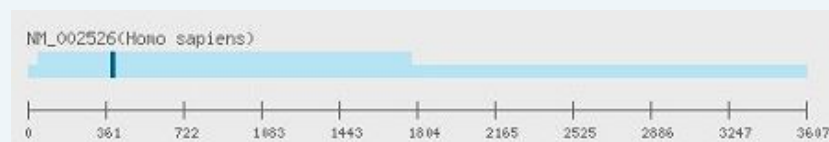
Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_002526

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

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: [4907](#)

Gene Name: NT5E

Gene Alias: CD73,E5NT,NT,NT5,NTE,eN,eNT

Gene 5'-nucleotidase, ecto (CD73)

Description:

Omim ID: [129190](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: Ecto-5-prime-nucleotidase (5-prime-ribonucleotide phosphohydrolase; EC 3.1.3.5) catalyzes the conversion at neutral pH of purine 5-prime mononucleotides to nucleosides, the preferred substrate being AMP. The enzyme consists of a dimer of 2 identical 70-kD subunits bound by a glycosyl phosphatidyl inositol linkage to the external face of the plasma membrane. The enzyme is used as a marker of lymphocyte differentiation. Consequently, a deficiency of NT5 occurs in a variety of immunodeficiency diseases (e.g., see MIM 102700, MIM 300300). Other forms of 5-prime nucleotidase exist in the cytoplasm and lysosomes and can be distinguished from ecto-NT5 by their substrate affinities, requirement for divalent magnesium ion, activation by ATP, and inhibition by inorganic phosphate.[supplied by OMIM]

Other Designations: 5' nucleotidase (CD73),5' nucleotidase, ecto,OTTHUMP00000016808,OTTHUMP00000040565,Purine 5-Prime-Nucleotidase,ecto-5'-nucleotidase

Gene Pathway

[Biosynthesis of alkaloids derived from histidine and purine](#) [Metabolic pathways](#)
[Nicotinate and nicotinamide metabolism](#) [Purine metabolism](#) [Pyrimidine metabolism](#)

Related Disease

[Ataxia telangiectasia](#) [Colorectal Neoplasms](#) [Depressive Disorder, Major](#) [Fatigue](#)
[Genetic Predisposition to Disease](#) [Ovarian Neoplasms](#) [Sleep Disorders](#)
[Sleep Initiation and Maintenance Disorders](#)