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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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CYP7A1 Pre-design Chimera RNAi

Catalog # : H00001581-R01

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens cytochrome P450, family 7, subfamily A, polypeptide 1 (CYP7A1), mRNA.

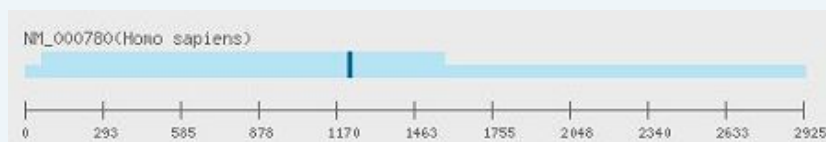
Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_000780

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: [1581](#)

Gene Name: CYP7A1

Gene Alias: CP7A,CYP7,MGC126826,MGC138389

Gene cytochrome P450, family 7, subfamily A, polypeptide 1
Description:

Omim ID: [118455](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This endoplasmic reticulum membrane protein catalyzes the first reaction in the cholesterol catabolic pathway in the liver, which converts cholesterol to bile acids. This reaction is the rate limiting step and the major site of regulation of bile acid synthesis, which is the primary mechanism for the removal of cholesterol from the body. [provided by RefSeq]

Other Designations: cholesterol 7 alpha-monooxygenase,cholesterol 7-alpha-hydroxylase,cytochrome P450, subfamily VIIA (cholesterol 7 alpha-monooxygenase), polypeptide 1

Gene Pathway

[Metabolic pathways](#) [PPAR signaling pathway](#) [Primary bile acid biosynthesis](#)

Related Disease

[Adenoma](#) [Asperger Syndrome](#) [Atherosclerosis](#) [Autistic Disorder](#) [Carcinoma, Hepatocellular](#) [Cardiovascular Diseases](#) [Carotid Artery Diseases](#) [Colon cancer](#) [Colorectal Neoplasms](#) [Coronary Artery Disease](#) [Coronary Disease](#) [Drug Toxicity](#) [Dyslipidemias](#) [Edema](#) [Gallbladder Neoplasms](#) [Gallstones](#) [Genetic Predisposition to Disease](#) [Hypercholesterolemia](#) [Hyperlipidemias](#)

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