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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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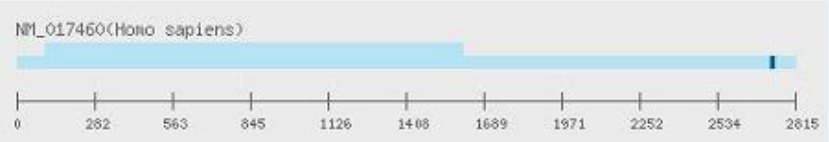
CYP3A4 Pre-design Chimera RNAi

Catalog # : H00001576-R01 **規格 :** [10 nmol] [20 nmol]

List All

Specification

Product Description:	Homo sapiens cytochrome P450, family 3, subfamily A, polypeptide 4 (CYP3A4), mRNA.
Reactivity:	Human
Supplied Product:	DEPC water
Target Refseq:	NM_017460
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

1. 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.
2. 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.
3. 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.
4. 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:	1576
Gene Name:	CYP3A4
Gene Alias:	CP33,CP34,CYP3A,CYP3A3,HLP,MGC126680,NF-25,P450C3,P450PCN1

Gene Description:	cytochrome P450, family 3, subfamily A, polypeptide 4
Omim ID:	124010
Gene Ontology:	Hyperlink
Gene Summary:	This gene, CYP3A4, 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 protein localizes to the endoplasmic reticulum and its expression is induced by glucocorticoids and some pharmacological agents. This enzyme is involved in the metabolism of approximately half the drugs which are are used today, including acetaminophen, codeine, cyclosporin A, diazepam and erythromycin. The enzyme also metabolizes some steroids and carcinogens. This gene is part of a cluster of cytochrome P450 genes on chromosome 7q21.1. Previously another CYP3A gene, CYP3A3, was thought to exist; however, it is now thought that this sequence represents a transcript variant of CYP3A4. [provided by RefSeq
Other Designations:	P450-III, steroid inducible,cytochrome P450, subfamily IIIA (niphedipine oxidase), polypeptide 3,cytochrome P450, subfamily IIIA (niphedipine oxidase), polypeptide 4,cytochrome P450, subfamily IIIA, polypeptide 4,glucocorticoid-inducible P450,nifedipine o

Gene Pathway

Drug metabolism - cytochrome P450 Drug metabolism - other enzymes gamma-Hexachlorocyclohexane degradation Linoleic acid metabolism Metabolic pathways Metabolism of xenobiotics by cytochrome P450 Retinol metabolism

Related Disease

Acquired Immunodeficiency Syndrome Acute Disease Adenocarcinoma Adenoma, Liver Cell Akathisia, Drug-Induced Anemia Anemia, Aplastic Asthma Asthma Balkan Nephropathy Body Weight Breast cancer Breast Neoplasms Carcinoma Carcinoma, Ductal, Breast Carcinoma, Hepatocellular Carcinoma, Non-Small-Cell Lung Carcinoma, Renal Cell Carcinoma, Small Cell

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