



# SZABO SCANDIC

Part of Europa Biosite

## 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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## CYP2D6 Pre-design Chimera RNAi

Catalog # : H00001565-R01

規格 : [ 10 nmol ] [ 20 nmol ]

List All

### Specification

**Product Description:** Homo sapiens cytochrome P450, family 2, subfamily D, polypeptide 6 (CYP2D6), transcript variant 1, mRNA.

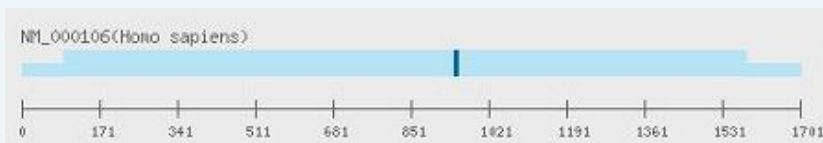
**Reactivity:** Human

**Supplied Product:** DEPC water

**Target Refseq:** NM\_000106

**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:** [1565](#)

**Gene Name:** CYP2D6

**Gene Alias:** CPD6,CYP2D,CYP2D@,CYP2DL1,MGC120389,MGC120390,P450-DB1,P450C2D,P450DB1

**Gene Description:** cytochrome P450, family 2, subfamily D, polypeptide 6

**Omim ID:** [124030](#)

**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 protein localizes to the endoplasmic reticulum and is known to metabolize as many as 20% of commonly prescribed drugs. Its substrates include debrisoquine, an adrenergic-blocking drug; sparteine and propafenone, both anti-arrhythmic drugs; and amitriptyline, an anti-depressant. The gene is highly polymorphic in the population; certain alleles result in the poor metabolizer phenotype, characterized by a decreased ability to metabolize the enzyme's substrates. The gene is located near two cytochrome P450 pseudogenes on chromosome 22q13.1. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

**Other Designations:** cytochrome P450 2D6,cytochrome P450, subfamily IID (debrisoquine, sparteine, etc., -metabolizing), polypeptide 6,cytochrome P450, subfamily IID (debrisoquine, sparteine, etc., -metabolizing)-like 1,debrisoquine 4-hydroxylase,flavoprotein-linked monooxygen

#### Gene Pathway

[Biosynthesis of alkaloids derived from shikimate pathway](#)  
[Drug metabolism - cytochrome P450](#)

#### Related Disease

[Abortion](#), [Habitual Acute Disease](#) [Adenocarcinoma](#) [Adenocarcinoma](#), [Papillary Adenoma](#) [Agranulocytosis](#) [Akathisia](#), [Drug-Induced Alcohol-Related Disorders](#) [Alzheimer Disease](#) [Alzheimer disease](#) [Amphetamine-Related Disorders](#) [Anemia](#), [Sickle Cell Anemia](#), [sickle cell](#) [Anxiety Disorders](#) [Apnea](#) [Arrhythmia](#) [Arthritis](#), [Rheumatoid](#) [Asthma](#) [Asthma](#)

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