



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## DPYD Pre-design Chimera RNAi

Catalog # : H00001806-R01

規格 : [ 10 nmol ] [ 20 nmol ]

List All

### Specification

**Product Description:** Homo sapiens dihydropyrimidine dehydrogenase (DPYD), mRNA.

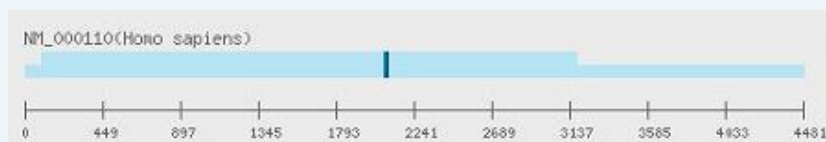
**Reactivity:** Human

**Supplied Product:** DEPC water

**Target Refseq:** NM\_000110

**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:** [1806](#)

**Gene Name:** DPYD

**Gene Alias:** DHP,DHPDHASE,DPD,MGC132008,MGC70799

**Gene** dihydropyrimidine dehydrogenase

**Description:**

**Omim ID:** [274270](#)

**Gene Ontology:** [Hyperlink](#)

**Gene Summary:** The protein encoded by this gene is a pyrimidine catabolic enzyme and the initial and rate-limiting factor in the pathway of uracil and thymidine catabolism. Mutations in this gene result in dihydropyrimidine dehydrogenase deficiency, an error in pyrimidine metabolism associated with thymine-uraciluria and an increased risk of toxicity in cancer patients receiving 5-fluorouracil chemotherapy. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

**Other Designations:** OTTHUMP00000037640, OTTHUMP00000058954, dihydrothymine dehydrogenase, dihydrouracil dehydrogenase

**Gene Pathway**

[beta-Alanine metabolism](#) [Drug metabolism - other enzymes](#) [Metabolic pathways](#)  
[Pantothenate and CoA biosynthesis](#) [Pyrimidine metabolism](#)

**Related Disease**

[Adenocarcinoma](#) [Breast cancer](#) [Breast Neoplasms](#) [Carcinoma](#) [Colon cancer](#)  
[Colonic Neoplasms](#) [Colorectal Neoplasms](#) [Diarrhea](#)  
[Dihydropyrimidine Dehydrogenase Deficiency](#) [Disease Progression](#) [Drug Toxicity](#)  
[Esophageal Neoplasms](#) [Gastrointestinal Diseases](#) [Genetic Predisposition to Disease](#)  
[Hearing Loss](#) [Hematologic Diseases](#) [Hematologic Neoplasms](#) [Kidney Diseases](#)  
[Kidney Failure, Chronic](#)

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