



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## GSTP1 Pre-design Chimera RNAi

Catalog # : H00002950-R01

規格 : [ 10 nmol ] [ 20 nmol ]

List All

### Specification

**Product Description:** Homo sapiens glutathione S-transferase pi (GSTP1), mRNA.

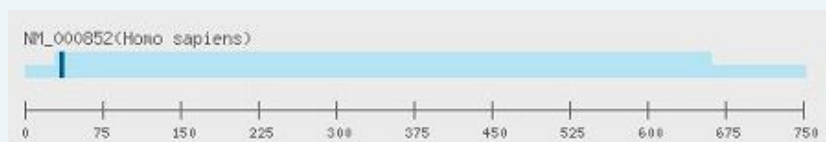
**Reactivity:** Human

**Supplied Product:** DEPC water

**Target Refseq:** NM\_000852

**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:** [2950](#)

**Gene Name:** GSTP1

**Gene Alias:** DFN7,FAEES3,GST3,PI

**Gene** glutathione S-transferase pi 1

**Description:**

**Omim ID:** [134660](#)

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

**Gene Summary:** Glutathione S-transferases (GSTs) are a family of enzymes that play an important role in detoxification by catalyzing the conjugation of many hydrophobic and electrophilic compounds with reduced glutathione. Based on their biochemical, immunologic, and structural properties, the soluble GSTs are categorized into 4 main classes: alpha, mu, pi, and theta. This GST family member is a polymorphic gene encoding active, functionally different GSTP1 variant proteins that are thought to function in xenobiotic metabolism and play a role in susceptibility to cancer, and other diseases. [provided by RefSeq]

**Other Designations:** OTTHUMP00000174659,deafness, X-linked 7,fatty acid ethyl ester synthase III,glutathione transferase

### Gene Pathway

[Drug metabolism - cytochrome P450](#) [Glutathione metabolism](#)  
[Metabolism of xenobiotics by cytochrome P450](#) [Pathways in cancer](#) [Prostate cancer](#)

### Related Disease

[Abortion, Habitual](#) [Absenteeism](#) [Acquired Immunodeficiency Syndrome](#) [Acute Disease](#)  
[Acute Lung Injury](#) [Adenocarcinoma](#) [Adenocarcinoma, Bronchiolo-Alveolar](#)  
[Adenocarcinoma, Clear Cell](#) [Adenoma](#) [Adenoma, Liver Cell](#) [Adenomatous Polyposis Coli](#)  
[Airway Remodeling](#) [Alcoholism](#) [alpha 1-Antitrypsin Deficiency](#)  
[Alpha-1-antitrypsin deficiency](#) [Altitude Sickness](#) [Alzheimer Disease](#) [Alzheimer disease](#)  
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