



# SZABO SCANDIC

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## 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

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## NOS2A Pre-design Chimera RNAi

Catalog # : H00004843-R02

規格 : [ 10 nmol ] [ 20 nmol ]

List All

### Specification

**Product Description:** Homo sapiens nitric oxide synthase 2A (inducible, hepatocytes) (NOS2A), transcript variant 2, mRNA.

**Reactivity:** Human

**Supplied Product:** DEPC water

**Target Refseq:** NM\_153292

**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:** [4843](#)

**Gene Name:** NOS2

**Gene Alias:** HEP-NOS, INOS, NOS, NOS2A

**Gene Description:** nitric oxide synthase 2, inducible

**Omim ID:** [145500](#), [163730](#), [248310](#), [611162](#)

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

**Gene Summary:** Nitric oxide is a reactive free radical which acts as a biologic mediator in several processes, including neurotransmission and antimicrobial and antitumoral activities. This gene encodes a nitric oxide synthase which is expressed in liver and is inducible by a combination of lipopolysaccharide and certain cytokines. Three related pseudogenes are located within the Smith-Magenis syndrome region on chromosome 17. [provided by RefSeq]

**Other Designations:** NOS, type II, nitric oxide synthase 2A, nitric oxide synthase 2A (inducible, hepatocytes), nitric oxide synthase, macrophage

### Gene Pathway

[Alzheimer's disease](#) [Amyotrophic lateral sclerosis \(ALS\)](#) [Arginine and proline metabolism](#) [Calcium signaling pathway](#) [Long-term depression](#) [Metabolic pathways](#) [Pathways in cancer](#) [Small cell lung cancer](#)

### Related Disease

[Acute Disease](#) [Adenocarcinoma](#) [Albuminuria](#) [Alzheimer Disease](#) [Alzheimer disease](#) [Anemia](#) [Anemia, Sickle Cell](#) [Angina Pectoris](#) [Angina, Unstable](#) [Arthritis, Psoriatic](#) [Arthritis, Rheumatoid](#) [Asthma](#) [Asthma](#) [Autistic Disorder](#) [Barrett Esophagus](#) [Behcet Syndrome](#) [beta-Thalassemia](#) [Biliary Tract Neoplasms](#) [Birth Weight](#)

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