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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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NOS1 Pre-design Chimera RNAi

Catalog # : H00004842-R01

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens nitric oxide synthase 1 (neuronal) (NOS1), mRNA.

Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_000620

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: 4842

Gene Name: NOS1

Gene Alias: IHPS1,NOS,nNOS

Gene nitric oxide synthase 1 (neuronal)

Description:

Omim ID: [163731](#), [179010](#)

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. Nitric oxide is synthesized from L-arginine by nitric oxide synthases. This gene encodes a nitric oxide synthase which is highly expressed in skeletal muscle. Genetic variations in this gene are associated with infantile hypertrophic pyloric stenosis type 1

Other neuronal nitric oxide synthase

Designations:

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

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