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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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NOS2A Pre-design Chimera RNAi

Catalog # : H00004843-R01

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens nitric oxide synthase 2A (inducible, hepatocytes) (NOS2A), transcript variant 1, mRNA.

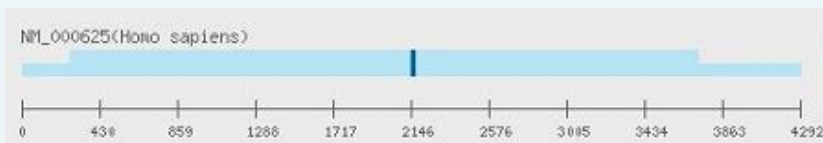
Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_000625

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](#)

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