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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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NPPA Pre-design Chimera RNAi

Catalog # : H00004878-R01

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens natriuretic peptide precursor A (NPPA), mRNA.

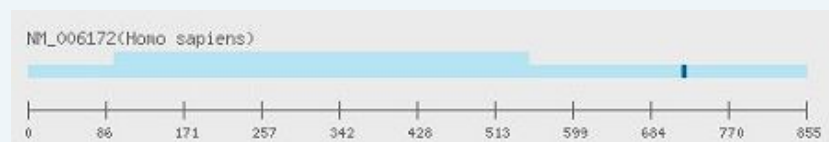
Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_006172

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: [4878](#)

Gene Name: NPPA

Gene Alias: ANF, ANP, ATFB6, CDD-ANF, PND

Gene natriuretic peptide precursor A

Description:

Omim ID: [108780](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The protein encoded by this gene belongs to the natriuretic peptide family. Natriuretic peptides are implicated in the control of extracellular fluid volume and electrolyte homeostasis. This protein is synthesized as a large precursor (containing a signal peptide), which is processed to release a peptide from the N-terminus with similarity to vasoactive peptide, cardiodilatin, and another peptide from the C-terminus with natriuretic-diuretic activity. Mutations in this gene have been associated with atrial fibrillation familial type 6. [provided by RefSeq]

Other Designations: OTTHUMP00000002504,OTTHUMP00000044485,atrial natriuretic peptide,natriuretic peptide precursor A variant 2,pronatriodilatin

Gene Pathway

[Vascular smooth muscle contraction](#)

Related Disease

[Albuminuria](#) [Amyotrophic Lateral Sclerosis](#) [Amyotrophic lateral sclerosis](#) [Asthma](#) [Asthma](#) [Atherosclerosis](#) [Atherosclerosis](#) [Atrial Fibrillation](#) [Brain Ischemia](#) [Calcinosis](#) [Cardiomyopathy](#), [Hypertrophic](#) [Cardiovascular Diseases](#) [Cerebral Palsy](#) [Cerebrovascular Accident](#) [Cerebrovascular Disorders](#) [Chorioamnionitis](#) [Constriction](#), [Pathologic](#) [Coronary Artery Disease](#) [Coronary Disease](#)

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