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NKX6-1 Pre-design Chimera RNAi

Catalog # : H00004825-R01

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens NK6 transcription factor related, locus 1 (Drosophila) (NKX6-1), mRNA.

Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_006168

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: [4825](#)

Gene Name: NKX6-1

Gene Alias: NKX6.1, NKX6A

Gene NK6 homeobox 1

Description:

Omim ID: [602563](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: In the pancreas, NKX6.1 is required for the development of beta cells and is a potent bifunctional transcription regulator that binds to AT-rich sequences within the promoter region of target genes lype et al. (2004) [PubMed 15056733].[supplied by OMIM]

Other Designations: NK homeo box, family 6, member A,NK homeobox, family 6, A,NK6 transcription factor homolog A,NK6 transcription factor related, locus 1

Gene Pathway

[Maturity onset diabetes of the young](#)

Related Disease

[Diabetes Mellitus, Type 2](#)

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