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NKX3-1 Pre-design Chimera RNAi

Catalog # : H00004824-R01

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens NK3 transcription factor related, locus 1 (Drosophila) (NKX3-1), mRNA.

Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_006167

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: 4824

Gene Name: NKX3-1

Gene Alias: BAPX2, NKX3, NKX3.1, NKX3A

Gene NK3 homeobox 1

Description:

Omim ID: [602041](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The homeodomain-containing transcription factor NKX3-1 is a putative prostate tumor suppressor that is expressed in a largely prostate-specific and androgen-regulated manner. Loss of NKX3-1 protein expression is a common finding in human prostate carcinomas and prostatic intraepithelial neoplasia.[supplied by OMIM]

Other Designations: NK homeobox, family 3, A, NK3 transcription factor homolog A, NK3 transcription factor related, locus 1, OTTHUMP00000123534

Gene Pathway

[Pathways in cancer](#) [Prostate cancer](#)

Related Disease

[Disease Susceptibility](#) [Genetic Predisposition to Disease](#) [Ovarian cancer](#) [Prostate cancer](#) [Prostatic Neoplasms](#)

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