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HMGN1 Pre-design Chimera RNAi

Catalog # : H00003150-R01

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens high-mobility group nucleosome binding domain 1 (HMGN1), mRNA.

Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_004965

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: [3150](#)

Gene Name: HMGN1

Gene Alias: FLJ27265,FLJ31471,HMG14,MGC104230,MGC117425

Gene high-mobility group nucleosome binding domain 1

Description:

Omim ID: [163920](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: Chromosomal protein HMG14 and its close analog HMG17 (MIM 163910) bind to the inner side of the nucleosomal DNA, potentially altering the interaction between the DNA and the histone octamer. The 2 proteins may be involved in the process that maintains transcribable genes in a unique chromatin conformation. Their ubiquitous distribution and relative abundance, as well as the high evolutionary conservation of the DNA-binding domain of the HMG14 family of proteins, suggest that they may be involved in an important cellular function.[supplied by OMIM

Other Designations: OTTHUMP00000068966,high-mobility group (nonhistone chromosomal) protein 14,high-mobility group nucleosome binding 1,nonhistone chromosomal protein HMG-14

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