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- Mindermengenzuschlag
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NUP98 Pre-design Chimera RNAi

Catalog # : H00004928-R01

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens nucleoporin 98kDa (NUP98), transcript variant 3, mRNA.

Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_005387

Target Region: Coding sequence

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: [4928](#)

Gene Name: NUP98

Gene Alias: ADIR2,NUP196,NUP96

Gene Description: nucleoporin 98kDa

Omim ID: [601021](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: Signal-mediated nuclear import and export proceed through the nuclear pore complex (NPC), which is comprised of approximately 50 unique proteins collectively known as nucleoporins. The 98 kD nucleoporin is generated through a biogenesis pathway that involves synthesis and proteolytic cleavage of a 186 kD precursor protein. This cleavage results in the 98 kD nucleoporin as well as a 96 kD nucleoporin, both of which are localized to the nucleoplasmic side of the NPC. Rat studies show that the 98 kD nucleoporin functions as one of several docking site nucleoporins of transport substrates. The human gene has been shown to fuse to several genes following chromosome translocatons in acute myelogenous leukemia (AML) and T-cell acute lymphocytic leukemia (T-ALL). This gene is one of several genes located in the imprinted gene domain of 11p15.5, an important tumor-suppressor gene region. Alterations in this region have been associated with the Beckwith-Wiedemann syndrome, Wilms tumor, rhabdomyosarcoma, adrenocortical carcinoma, and lung, ovarian, and breast cancer. Alternative splicing of this gene results in several transcript variants; however, not all variants have been fully described. [provided by RefSeq]

Other Designations: GLFG-repeat containing nucleoporin,Nup98-Nup96,OTTHUMP00000013819,OTTHUMP00000013967,nucleoporin 98kD

Related Disease

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