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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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NPM1 Pre-design Chimera RNAi

產品編號 # : H00004869-R01

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens nucleophosmin (nucleolar phosphoprotein B23, numatrin) (NPM1), transcript variant 1, mRNA.

Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_002520

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: [4869](#)

Gene Name: NPM1

Gene Alias: B23,MGC104254,NPM

Gene Description: nucleophosmin (nucleolar phosphoprotein B23, numatrin)

Omim ID: [164040](#), [601626](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: NPM1 is a ubiquitously expressed nucleolar protein that shuttles between the nucleus and cytoplasm. It is implicated in multiple functions, including ribosomal protein assembly and transport, control of centrosome duplication, and regulation of the tumor suppressor ARF (MIM 600160). NPM1 mutations that relocalize NPM1 from the nucleus into the cytoplasm are associated with development of acute myeloid leukemia (AML; MIM 601626) (Garzon et al., 2008 [PubMed 18308931]). [supplied by OMIM]

Other Designations: nucleolar phosphoprotein B23,nucleophosmin 1,nucleophosmin/nucleoplasmin family, member 1,numatrin

Related Disease

[Acute Disease Blast Crisis Cell Transformation, Neoplastic Chromosome Aberrations Disease Progression Genetic Predisposition to Disease Inversion, Chromosome Leukemia, chronic myeloid Leukemia, Myelocytic, Acute Leukemia, Myeloid Leukemia, Myeloid, Acute Leukemia, Myelomonocytic, Chronic Leukemia, Nonlymphocytic, Acute Leukemia, Promyelocytic, Acute Myelodysplastic Syndromes Neoplasm, Residual Recurrence Translocation, Genetic](#)

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