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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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ATP7A Pre-design Chimera RNAi

Catalog # : H00000538-R02

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens ATPase, Cu⁺⁺ transporting, alpha polypeptide (Menkes syndrome) (ATP7A), mRNA.

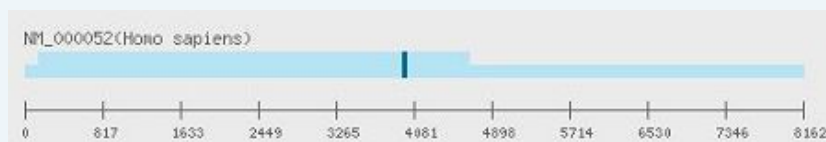
Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_000052

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: [538](#)

Gene Name: ATP7A

Gene Alias: FLJ17790,MK,MNK

Gene Description: ATPase, Cu⁺⁺ transporting, alpha polypeptide

Omim ID: [300011](#), [304150](#), [309400](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: This gene encodes a transmembrane protein that functions in copper transport across membranes. The protein localizes to the trans-Golgi network, where it is predicted to supply copper to copper-dependent enzymes in the secretory pathway. The protein relocates to the plasma membrane under conditions of elevated extracellular copper and functions in the efflux of copper from cells. Mutations in this gene result in Menkes disease, X-linked cutis laxa, and occipital horn syndrome. [provided by RefSeq]

Other Designations: Cu⁺⁺-transporting P-type ATPase, Menkes disease-associated protein, Menkes syndrome, OTTHUMP00000023593, OTTHUMP00000062077, copper pump 1, copper-transporting ATPase 1

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