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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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ATP4A Pre-design Chimera RNAi

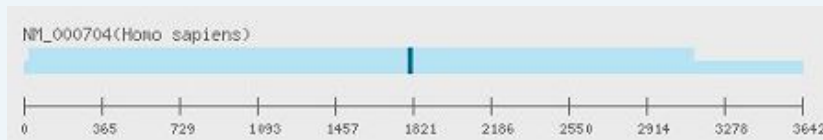
Catalog # : H00000495-R02

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description:	Homo sapiens ATPase, H ⁺ /K ⁺ exchanging, alpha polypeptide (ATP4A), mRNA.
Reactivity:	Human
Supplied Product:	DEPC water
Target Refseq:	NM_000704
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: [495](#)

Gene Name: ATP4A

Gene Alias: ATP6A

Gene ATPase, H⁺/K⁺ exchanging, alpha polypeptide

Description:

Omim ID: [137216](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The protein encoded by this gene belongs to a family of P-type cation-transporting ATPases. The gastric H⁺, K⁺-ATPase is a heterodimer consisting of a high molecular weight catalytic alpha subunit and a smaller but heavily glycosylated beta subunit. This enzyme is a proton pump that catalyzes the hydrolysis of ATP coupled with the exchange of H(+) and K(+) ions across the plasma membrane. It is also responsible for gastric acid secretion. This gene encodes a catalytic alpha subunit of the gastric H⁺, K⁺-ATPase. [provided by RefSeq]

Other Designations: ATPase, H⁺/K⁺ transporting, alpha polypeptide, OTTHUMP00000045780, gastric H⁺/K⁺ ATPase alpha subunit, gastric H,K-ATPase catalytic subunit, gastric hydrogen-potassium ATPase, hydrogen/potassium-exchanging ATPase 4A, potassium-transporting ATPase alpha chain 1,

Gene Pathway

[Oxidative phosphorylation](#)

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