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Produktinformation

- Forschungsprodukte & Biochemikalien
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- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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ATN1 Pre-design Chimera RNAi

Catalog # : H00001822-R02 **規格 :** [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens atrophin 1 (ATN1), transcript variant 2, mRNA.

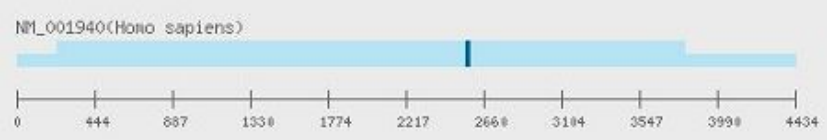
Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_001940

Storage Instruction: Store at -20°C, do not exceed 4 - 5 freeze-thaw cycles to ensure product integrity.

Note: Position of the Chimera RNAi.



Publication Reference

1. 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.
2. 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.
3. 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.
4. 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: 1822

Gene Name: ATN1

Gene Alias: B37,D12S755E,DRPLA,NOD

Application Image

RNAi Knockdown

Gene Description:	atrophin 1
Omim ID:	125370, 607462
Gene Ontology:	Hyperlink
Gene Summary:	Dentatorubral pallidoluysian atrophy is a rare neurodegenerative disorder characterized by cerebellar ataxia, myoclonic epilepsy, choreoathetosis, and dementia. The disorder is related to the expansion of a trinucleotide repeat within this gene. The encoded protein includes a serine repeat and a region of alternating acidic and basic amino acids, as well as the variable glutamine repeat. Alternative splicing results in two transcripts variants that encode the same protein. [provided by RefSeq
Other Designations:	atrophin-1

Related Disease

Epilepsy Fragile X Syndrome Fragile X syndrome Friedreich Ataxia Friedreich's ataxia Genetic Predisposition to Disease Genomic Instability Huntington Disease Huntington disease Muscular Atrophy, Spinal Myoclonic Cerebellar Dyssynergia Myoclonic Epilepsies, Progressive Myotonic Dystrophy Myotonic dystrophy Parkinson Disease Parkinson disease Schizophrenia Schizophrenia Spinal muscular atrophy

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