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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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RUNX1 Pre-design Chimera RNAi

Catalog # : H00000861-R01

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens runt-related transcription factor 1 (acute myeloid leukemia 1; aml1 oncogene) (RUNX1), transcript variant 2, mRNA.

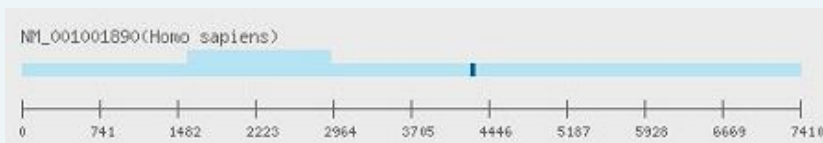
Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_001001890

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: [861](#)

Gene Name: RUNX1

Gene Alias: [AML1](#), [AML1-EVI-1](#), [AMLCR1](#), [CBFA2](#), [EVI-1](#), [PEBP2aB](#)

Gene Description: runt-related transcription factor 1

Omim ID: [151385](#), [180300](#), [601399](#), [601626](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: Core binding factor (CBF) is a heterodimeric transcription factor that binds to the core element of many enhancers and promoters. The protein encoded by this gene represents the alpha subunit of CBF and is thought to be involved in the development of normal hematopoiesis. Chromosomal translocations involving this gene are well-documented and have been associated with several types of leukemia. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations: [AML1-EVI-1 fusion protein](#), [acute myeloid leukemia 1](#), [aml1 oncogene](#), [core-binding factor](#), [runt domain](#), [alpha subunit 2](#)

Gene Pathway

[Acute myeloid leukemia](#) [Chronic myeloid leukemia](#) [Pathways in cancer](#)

Related Disease

[Arthritis](#), [Psoriatic Arthritis](#), [Rheumatoid Arthritis](#), [Asthma](#), [Asthma Blast Crisis](#), [Cardiovascular Diseases](#), [Colitis](#), [Ulcerative Crohn Disease](#), [Crohn's disease](#), [Diabetes Mellitus, Type 1](#), [Diabetes Mellitus, Type 2](#), [Disease Progression](#), [Disease Susceptibility](#), [Edema](#), [Genetic Predisposition to Disease](#), [Immune System Diseases](#), [Leukemia, chronic myeloid](#), [Leukemia, Myelocytic](#), [Acute Leukemia, Myeloid, Acute](#)

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