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Produktinformation

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

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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HBA1 Pre-design Chimera RNAi

Catalog # : H00003039-R01 **規格 :** [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens hemoglobin, alpha 1 (HBA1), mRNA.

Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_000558

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: 3039

Gene Name: HBA1

Gene Alias: HBH,HBA-T3

Application Image

RNAi Knockdown

Gene Description:	hemoglobin, alpha 1
Omim ID:	141800
Gene Ontology:	Hyperlink
Gene Summary:	The human alpha globin gene cluster located on chromosome 16 spans about 30 kb and includes seven loci: 5'- zeta - pseudozeta - mu - pseudoalpha-1 - alpha-2 - alpha-1 - theta - 3'. The alpha-2 (HBA2) and alpha-1 (HBA1) coding sequences are identical. These genes differ slightly over the 5' untranslated regions and the introns, but they differ significantly over the 3' untranslated regions. Two alpha chains plus two beta chains constitute HbA, which in normal adult life comprises about 97% of the total hemoglobin; alpha chains combine with delta chains to constitute HbA-2, which with HbF (fetal hemoglobin) makes up the remaining 3% of adult hemoglobin. Alpha thalassemias result from deletions of each of the alpha genes as well as deletions of both HBA2 and HBA1; some nondeletion alpha thalassemias have also been reported. [provided by RefSeq
Other Designations:	alpha 1 globin,alpha one globin,alpha-1 globin,alpha-1-globin,hemoglobin alpha 1 globin chain,hemoglobin alpha-1 chain

Related Disease

Abortion, Spontaneous Albuminuria alpha-Thalassemia Anemia Anemia, Aplastic Anemia, Hypochromic Anemia, Sickle Cell Anemia, sickle cell beta-Thalassemia Dyslipidemias Fetal Diseases Genetic Predisposition to Disease Glucosephosphate Dehydrogenase Deficiency Hemolysis Hypertension, Pulmonary Iron Overload Malaria Malaria, Cerebral Malaria, Falciparum

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