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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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BTK Pre-design Chimera RNAi

Catalog # : H00000695-R03

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens Bruton agammaglobulinemia tyrosine kinase (BTK), mRNA.

Reactivity: Human

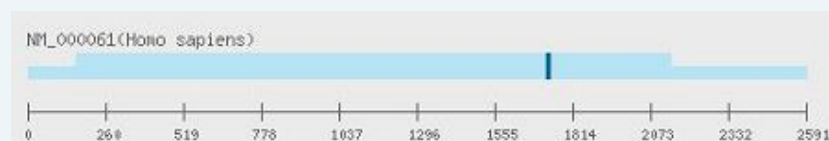
Supplied Product: DEPC water

Target Refseq: NM_000061

Target Region: Coding sequence

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: [695](#)

Gene Name: BTK

Gene Alias: AGMX1,AT,ATK,BPK,IMD1,MGC126261,MGC126262,PSCTK1,XLA

Gene Description: Bruton agammaglobulinemia tyrosine kinase

Omim ID: [300300](#), [307200](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The protein encoded by this gene plays a crucial role in B-cell development. Mutations in this gene cause X-linked agammaglobulinemia type 1, which is an immunodeficiency characterized by the failure to produce mature B lymphocytes, and associated with a failure of Ig heavy chain rearrangement. [provided by RefSeq]

Other Designations: B-cell progenitor kinase,Bruton tyrosine kinase,OTTHUMP00000023676,OTTHUMP00000063593,agammaglobulinemia tyrosine kinase,dominant-negative kinase-deficient Brutons tyrosine kinase,tyrosine-protein kinase BTK

Gene Pathway

[B cell receptor signaling pathway](#) [Fc epsilon RI signaling pathway](#)
[Primary immunodeficiency](#)

Related Disease

[Agammaglobulinemia](#) [Asthma](#) [Cardiovascular Diseases](#) [Diabetes Mellitus, Type 2](#) [Edema](#)
[Genetic Diseases, X-Linked](#) [HIV Infections](#) [Immunologic Deficiency Syndromes](#)
[Lymphoproliferative Disorders](#) [Myelodysplastic Syndromes](#)
[Severe Combined Immunodeficiency](#)

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