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Zuschläge

- Mindermengenzuschlag
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HLA-DPB1 Pre-design Chimera RNAi

Catalog # : H00003115-R02

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens major histocompatibility complex, class II, DP beta 1 (HLA-DPB1), mRNA.

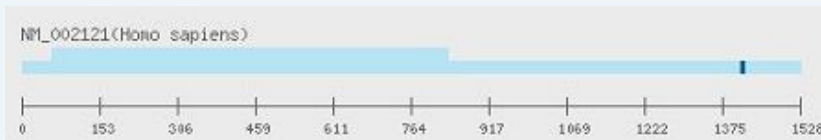
Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_002121

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: 3115

Gene Name: HLA-DPB1

Gene Alias: DPB1,HLA-DP1B

Gene major histocompatibility complex, class II, DP beta 1

Description:

Omim ID: [142858](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: HLA-DPB belongs to the HLA class II beta chain paralogues. This class II molecule is a heterodimer consisting of an alpha (DPA) and a beta chain (DPB), both anchored in the membrane. It plays a central role in the immune system by presenting peptides derived from extracellular proteins. Class II molecules are expressed in antigen presenting cells (APC: B lymphocytes, dendritic cells, macrophages). The beta chain is approximately 26-28 kDa and its gene contains 6 exons. Exon one encodes the leader peptide, exons 2 and 3 encode the two extracellular domains, exon 4 encodes the transmembrane domain and exon 5 encodes the cytoplasmic tail. Within the DP molecule both the alpha chain and the beta chain contain the polymorphisms specifying the peptide binding specificities, resulting in up to 4 different molecules. [provided by RefSeq]

Other Designations: HLA DP14-beta chain,HLA-DP histocompatibility type, beta-1 subunit,MHC HLA DPB1,MHC class II HLA-DP-beta,MHC class II HLA-DP-beta-1,MHC class II HLA-DRB1,MHC class II antigen DP beta 1 chain,MHC class II antigen DPbeta1,MHC class II antigen beta chain,OTT

Gene Pathway

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[Systemic lupus erythematosus](#) [Type I diabetes mellitus](#)

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