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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
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- Expressversand

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HLA-DQA1 Pre-design Chimera RNAi

Catalog # : H00003117-R02

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens major histocompatibility complex, class II, DQ alpha 1 (HLA-DQA1), mRNA.

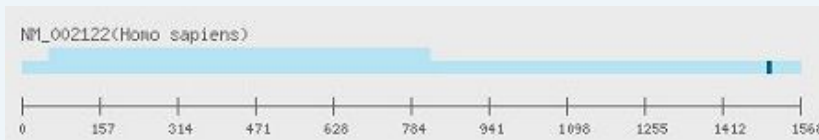
Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_002122

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: [3117](#)

Gene Name: HLA-DQA1

Gene Alias: CD, CELIAC1, DQ-A1, FLJ27088, FLJ27328, GSE, HLA-DQA, MGC149527

Gene major histocompatibility complex, class II, DQ alpha 1

Description:

Omim ID: [146880](#), [212750](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: HLA-DQA1 belongs to the HLA class II alpha chain paralogues. The class II molecule is a heterodimer consisting of an alpha (DQA) and a beta chain (DQB), 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 alpha chain is approximately 33-35 kDa. It is encoded by 5 exons; exon 1 encodes the leader peptide, exons 2 and 3 encode the two extracellular domains, and exon 4 encodes the transmembrane domain and the cytoplasmic tail. Within the DQ molecule both the alpha chain and the beta chain contain the polymorphisms specifying the peptide binding specificities, resulting in up to four different molecules. Typing for these polymorphisms is routinely done for bone marrow transplantation. [provided by RefSeq]

Other Designations: Gluten-sensitive enteropathy (celiac disease),MHC HLA-DQ alpha,MHC class II HLA-D alpha glycoprotein,MHC class II HLA-DQ-alpha-1,MHC class II antigen,MHC class II surface glycoprotein,OTTHUMP00000029141,OTTHUMP00000176885,OTTHUMP00000178551,OTTHUMP0000017

Gene Pathway

[Allograft rejection](#) [Antigen processing and presentation](#) [Asthma](#)
[Autoimmune thyroid disease](#) [Cell adhesion molecules \(CAMs\)](#) [Graft-versus-host disease](#)
[Systemic lupus erythematosus](#) [Type I diabetes mellitus](#)

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