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- Mindermengenzuschlag
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- Expressversand

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FCER1A Validated Chimera RNAi

Catalog # : H00002205-R01V

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens HBII-438A C/D box snoRNA (HBII-438A) on chromosome 15.

Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_002001

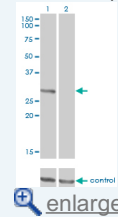
Storage Instruction: Store at -20°C, do not exceed 4 - 5 freeze-thaw cycles to ensure product integrity.

Note: Position of the Chimera RNAi.



Application Image

RNAi Knockdown (Antibody validated)

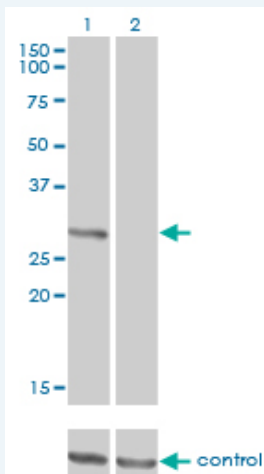


Publication Reference


- [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 (Antibody validated)



Western blot analysis of FCER1A over-expressed 293 cell line, cotransfected with FCER1A Validated Chimera RNAi (Cat # H00002205-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with FCER1A monoclonal antibody (M01), clone 2C12-3B6 (Cat # H00002205-M01). GAPDH (36.1 kDa) used as specificity and loading control.

 [Protocol Download](#)

Gene Information

Entrez GeneID: [2205](#)

Gene Name: FCER1A

Gene Alias: FCE1A,FcERI

Gene Description: Fc fragment of IgE, high affinity I, receptor for; alpha polypeptide

Omim ID: [147140](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The IgE receptor plays a central role in allergic disease, coupling allergen and mast cell to initiate the inflammatory and immediate hypersensitivity responses that are characteristic of disorders such as hay fever and asthma. The allergic response occurs when 2 or more high-affinity IgE receptors are crosslinked via IgE molecules that in turn are bound to an allergen (antigen) molecule. A perturbation occurs that brings about the release of histamine and proteases from the granules in the cytoplasm of the mast cell and leads to the synthesis of prostaglandins and leukotrienes--potent effectors of the hypersensitivity response. The IgE receptor consists of 3 subunits: alpha, beta (MIM 147138), and gamma (MIM 147139); only the alpha subunit is glycosylated.[supplied by OMIM

Other Designations: Fc IgE receptor, alpha polypeptide,Fc epsilon RI alpha-chain,Fc-epsilon RI-alpha,high affinity immunoglobulin epsilon receptor alpha-subunit,immunoglobulin E receptor, high-affinity, of mast cells, alpha polypeptide

Gene Pathway

[Asthma Fc epsilon RI signaling pathway](#)

Related Disease

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