



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



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Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## FCER1A Pre-design Chimera RNAi

Catalog # : H00002205-R02

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

### 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:** [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

[Asthma](#) [Asthma Birth Weight](#) [Breast cancer](#) [Breast Neoplasms](#) [Bronchiolitis](#) [Viral Cardiovascular Diseases](#) [Chronic Disease](#) [Coronary Artery Disease](#) [Dermatitis](#) [Atopic Drug Hypersensitivity](#) [Eczema](#) [Genetic Predisposition to Disease](#) [Glioblastoma](#) [Glioma](#) [Glomerulonephritis](#) [Glomerulonephritis, IGA](#) [Hypersensitivity](#) [Hypersensitivity, Immediate](#)

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