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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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MS4A2 Pre-design Chimera RNAi

Catalog # : H00002206-R01

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for; beta polypeptide) (MS4A2), mRNA.

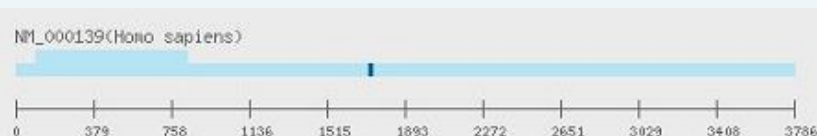
Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_000139

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: [2206](#)

Gene Name: MS4A2

Gene Alias: APY, ATOPY, FCER1B, FCERI, IGEL, IGER, IGHHER, MS4A1

Gene Description: membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for; beta polypeptide)

Omim ID: [147050](#), [147138](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The allergic response involves the binding of allergen to receptor-bound IgE followed by cell activation and the release of mediators responsible for the manifestations of allergy. The IgE-receptor, a tetramer composed of an alpha, beta, and 2 disulfide-linked gamma chains, is found on the surface of mast cells and basophils. This gene encodes the beta subunit of the high affinity IgE receptor which is a member of the membrane-spanning 4A gene family. Members of this nascent protein family are characterized by common structural features and similar intron/exon splice boundaries and display unique expression patterns among hematopoietic cells and nonlymphoid tissues. This family member is localized to 11q12, among a cluster of family members. Alternative splicing results in multiple transcript variants encoding different isoforms

Other Designations: Fc IgE receptor, beta chain, Fc epsilon receptor I beta-chain, Fc-epsilon receptor I beta-chain, High affinity immunoglobulin epsilon receptor beta-subunit (FcERI) (IgE Fc receptor, beta-subunit) (Fc epsilon receptor I beta-chain), IgE responsiveness (atopic)

Gene Pathway

[Asthma Fc epsilon RI signaling pathway](#)

Related Disease

[Angioneurotic Edema](#) [Asthma](#) [Asthma](#) [Atherosclerosis](#) [Atherosclerosis](#) [Brain Ischemia](#) [Bronchial Hyperreactivity](#) [Bronchiolitis](#) [Viral Calcinosis](#) [Cardiovascular Diseases](#) [Cerebrovascular Disorders](#) [Chlamydia Infections](#) [Chronic Disease Constriction](#) [Pathologic Coronary Artery Disease](#) [Coronary Disease](#) [Dermatitis](#) [Atopic Diabetes Mellitus](#) [Type 1 Diabetes Mellitus](#) [Type 2](#)

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