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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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P2RX7 Pre-design Chimera RNAi

Catalog # : H00005027-R01

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens purinergic receptor P2X, ligand-gated ion channel, 7 (P2RX7), transcript variant 1, mRNA.

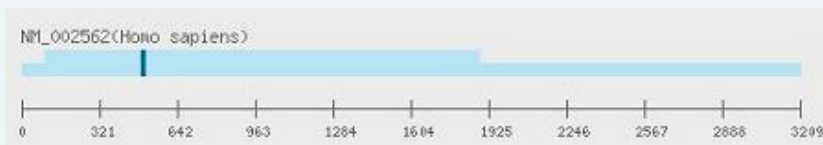
Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_002562

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

Note: Position of the Chimera RNAi.
The related RNAi products listed below were designed from different accession number but sharing the same RNAi sequence.



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: [5027](#)

Gene Name: P2RX7

Gene Alias: MGC20089,P2X7

Gene Description: purinergic receptor P2X, ligand-gated ion channel, 7

Omim ID: [151400](#), [602566](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The product of this gene belongs to the family of purinoceptors for ATP. This receptor functions as a ligand-gated ion channel and is responsible for ATP-dependent lysis of macrophages through the formation of membrane pores permeable to large molecules. Activation of this nuclear receptor by ATP in the cytoplasm may be a mechanism by which cellular activity can be coupled to changes in gene expression. Multiple alternatively spliced variants which would encode different isoforms have been identified although some fit nonsense-mediated decay (NMD) criteria. [provided by RefSeq]

Other Designations: ATP receptor,P2X purinoceptor 7,P2X7 receptor,P2Z receptor,purinergic receptor P2X7

Gene Pathway

[Calcium signaling pathway](#) [Neuroactive ligand-receptor interaction](#)

Related Disease

[Agoraphobia](#) [Anemia](#), [Aplastic](#) [Anxiety Disorders](#) [Arthritis](#), [Rheumatoid](#) [Bacteremia](#)
[Bipolar Disorder](#) [Carcinoma](#), [Papillary](#) [Carcinoma](#), [Papillary](#), [Follicular](#)
[Cardiovascular Diseases](#) [Chromosome Aberrations](#) [Crohn Disease](#) [Crohn's disease](#)
[Depressive Disorder](#) [Depressive Disorder](#), [Major](#) [Diabetes Complications](#) [Diabetes Mellitus](#)
[Diabetes Mellitus](#), [Type 2](#) [Disease Progression](#) [Disease Susceptibility](#)

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