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- Expressversand

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P2RX3 Pre-design Chimera RNAi

Catalog # : H00005024-R01

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens purinergic receptor P2X, ligand-gated ion channel, 3 (P2RX3), mRNA.

Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_002559

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: 5024

Gene Name: P2RX3

Gene Alias: MGC129956,P2X3

Gene Description: purinergic receptor P2X, ligand-gated ion channel, 3

Omim ID: [600843](#)

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 may transduce ATP-evoked nociceptor activation. Mouse studies suggest that this receptor is important for peripheral pain responses, and also participates in pathways controlling urinary bladder volume reflexes. It is possible that the development of selective antagonists for this receptor may have a therapeutic potential in pain relief and in the treatment of disorders of urine storage. [provided by RefSeq]

Other Designations: ATP receptor,P2X purinoceptor 3,P2X receptor, subunit 3,purinergic receptor P2X3,purinoceptor P2X3

Gene Pathway

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

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