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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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EDNRB Pre-design Chimera RNAi

Catalog # : H00001910-R04

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens endothelin receptor type B (EDNRB), transcript variant 2, mRNA.

Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_003991

Target Region: Coding sequence

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: [1910](#)

Gene Name: EDNRB

Gene Alias: ABCDS,ETB,ETBR,ETRB,HSCR,HSCR2

Gene Description: endothelin receptor type B

Omim ID: [131244](#), [277580](#), [600155](#), [600501](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The protein encoded by this gene is a G protein-coupled receptor which activates a phosphatidylinositol-calcium second messenger system. Its ligand, endothelin, consists of a family of three potent vasoactive peptides: ET1, ET2, and ET3. Studies suggest that the multigenic disorder, Hirschsprung disease type 2, is due to mutations in the endothelin receptor type B gene. Three transcript variants encoding two different isoforms have been found for this gene. While both isoforms bind ET1, they exhibit different responses upon binding, suggesting that they may be functionally distinct. [provided by RefSeq]

Other Designations: OTTHUMP00000178736,endothelin receptor non-selective type

Gene Pathway

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

Related Disease

[Alzheimer Disease](#) [Alzheimer disease](#) [Asthma](#) [Asthma](#) [Atherosclerosis](#) [Atherosclerosis](#)
[Brain Infarction](#) [Brain Ischemia](#) [Cardiomyopathy, Dilated](#) [Cardiovascular Diseases](#)
[Cystic Fibrosis](#) [Diabetes Complications](#) [Diabetes Mellitus, Type 2](#)
[Digestive System Abnormalities](#) [Disease Progression](#) [Down Syndrome](#) [Edema](#)
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