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- Mindermengenzuschlag
- Trockeneiszuschlag
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HCRTR1 Pre-design Chimera RNAi

Catalog # : H00003061-R02

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens hypocretin (orexin) receptor 1 (HCRTR1), mRNA.

Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_001525

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: [3061](#)

Gene Name: HCRTR1

Gene Alias: OX1R

Gene hypocretin (orexin) receptor 1

Description:

Omim ID: [602392](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The protein encoded by this gene is a G-protein coupled receptor involved in the regulation of feeding behavior. The encoded protein selectively binds the hypothalamic neuropeptide orexin A. A related gene (HCRTR2) encodes a G-protein coupled receptor that binds orexin A and orexin B. [provided by RefSeq]

Other Designations: OTTHUMP00000003951,hypocretin receptor 1,hypocretin receptor-1,orexin receptor 1,orexin receptor-1

Gene Pathway

[Neuroactive ligand-receptor interaction](#)

Related Disease

[Anorexia Nervosa](#) [Attention Deficit Disorder with Hyperactivity](#) [Autistic Disorder](#) [Bulimia](#) [Genetic Predisposition to Disease](#) [Hyponatremia](#) [Mental Disorders](#) [NARP](#) [Schizophrenia](#) [Schizophrenia](#)

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