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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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OPRL1 Pre-design Chimera RNAi

Catalog # : H00004987-R04

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens testis-specific transcript, Y-linked 21 (TTY21) on chromosome Y.

Reactivity: Human

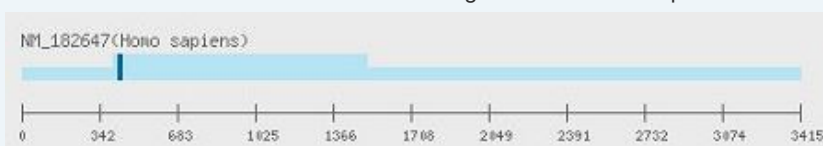
Supplied Product: DEPC water

Target Refseq: NM_182647

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: [4987](#)

Gene Name: OPRL1

Gene Alias: KOR-3,MGC34578,NOCIR,OOR,ORL1

Gene Description: opiate receptor-like 1

Omim ID: [602548](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The protein encoded by this gene is a G protein-coupled receptor whose expression can be induced by phytohemagglutinin. The encoded integral membrane protein is a receptor for the 17 aa neuropeptide nociceptin/orphanin FQ. This gene may be involved in the regulation of numerous brain activities, particularly instinctive and emotional behaviors. A promoter for this gene also functions as a promoter for another gene, regulator of G-protein signalling 19 (RGS19), located on the opposite strand. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq]

Other Designations: LC132 receptor-like,OTTHUMP00000031640,OTTHUMP00000031641,OTTHUMP00000031642,kappa3-related opioid receptor,nociceptin receptor,orphanin FQ receptor

Gene Pathway

[Neuroactive ligand-receptor interaction](#)

Related Disease

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[Attention Deficit Disorder with Hyperactivity](#) [Autistic Disorder](#) [Disease Models, Animal](#)
[Genetic Predisposition to Disease](#) [NARP](#) [Opioid-Related Disorders](#)
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