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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

HCRTR2 Validated Chimera RNAi

Catalog # : H00003062-R01V

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens hypocretin (orexin) receptor 2 (HCRTR2), mRNA.

Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_001526

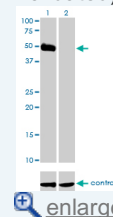
Storage Instruction: Store at -20°C, do not exceed 4 - 5 freeze-thaw cycles to ensure product integrity.

Note: Position of the Chimera RNAi.



Application Image

RNAi Knockdown (Antibody validated)

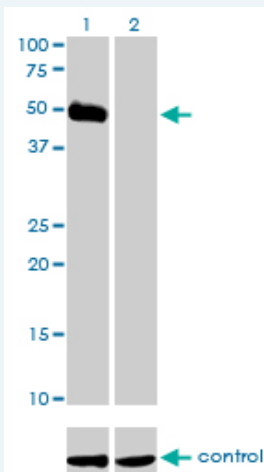


Publication Reference

- [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 (Antibody validated)



Western blot analysis of HCRTR2 over-expressed 293 cell line, cotransfected with HCRTR2 Validated Chimera RNAi (Cat # H00003062-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with HCRTR2 monoclonal antibody (M01), clone 1E3 (Cat # H00003062-M01). GAPDH (36.1 kDa) used as specificity and loading control.

 [Protocol Download](#)

Gene Information

Entrez GeneID: [3062](#)

Gene Name: HCRTR2

Gene Alias: OX2R

Gene Description: hypocretin (orexin) receptor 2

Omim ID: [602393](#)

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 binds the hypothalamic neuropeptides orexin A and orexin B. A related gene (HCRTR1) encodes a G-protein coupled receptor that selectively binds orexin A. [provided by RefSeq]

Other Designations: OTTHUMP00000017762,OTTHUMP00000039969,hypocretin receptor-2,orexin receptor 2

Gene Pathway

[Neuroactive ligand-receptor interaction](#)

Related Disease

[Anorexia Nervosa](#) [Attention Deficit Disorder with Hyperactivity](#) [Autistic Disorder](#) [Bulimia](#) [Cardiovascular Diseases](#) [Cluster Headache](#) [Diabetes Mellitus, Type 2](#) [Disorders of Excessive Somnolence](#) [Edema](#) [Genetic Predisposition to Disease](#) [Hyponatremia](#) [Mental Disorders](#) [Migraine Disorders](#) [Narcolepsy](#) [NARP](#) [Schizophrenia](#) [Schizophrenia](#) [Sleep Apnea](#) [Obstructive](#) [Tourette Syndrome](#)