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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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OTX1 Validated Chimera RNAi

Catalog # : H00005013-R01V

規格 : [10 nmol] [20 nmol]

[List All](#)

Specification

Product Description: Homo sapiens orthodenticle homolog 1 (Drosophila) (OTX1), mRNA.

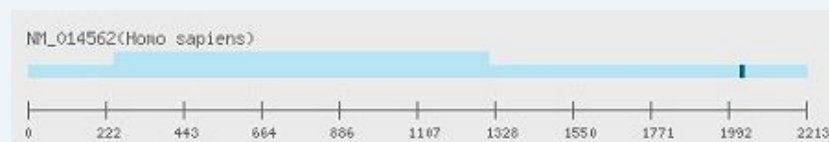
Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_014562

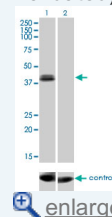
Storage Instruction: Store at -20°C, do not exceed 4 - 5 freeze-thaw cycles to ensure product integrity.

Note: Position of the Chimera RNAi.



Application Image

RNAi Knockdown (Antibody validated)



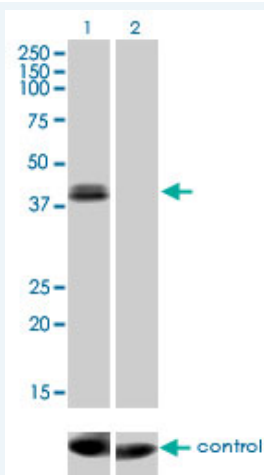
[enlarge](#)

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 OTX1 over-expressed 293 cell line, cotransfected with OTX1 Validated Chimera RNAi (Cat # H00005013-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with OTX1 monoclonal antibody (M01), clone 1F2 (Cat # H00005013-M01). GAPDH (36.1 kDa) used as specificity and loading control.

 [Protocol Download](#)

Gene Information

Entrez GeneID: [5013](#)

Gene Name: OTX1

Gene Alias: FLJ38361,MGC15736

Gene Description: orthodenticle homeobox 1

Omim ID: [600036](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: This gene encodes a member of the bicoid sub-family of homeodomain-containing transcription factors. The encoded protein acts as a transcription factor and may play a role in brain and sensory organ development. A similar protein in mice is required for proper brain and sensory organ development and can cause epilepsy. [provided by RefSeq]

Other Designations: homeobox protein OTX1,orthodenticle homolog 1

Related Disease

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