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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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NOTCH3 Pre-design Chimera RNAi

Catalog # : H00004854-R01

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens Notch homolog 3 (Drosophila) (NOTCH3), mRNA.

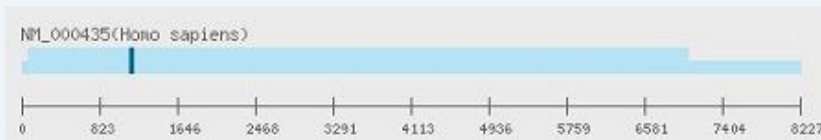
Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_000435

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: 4854

Gene Name: NOTCH3

Gene Alias: CADASIL, CASIL

Gene Notch homolog 3 (Drosophila)

Description:

Omim ID: [125310](#), [600276](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: This gene encodes the third discovered human homologue of the Drosophila melanogaster type I membrane protein notch. In Drosophila, notch interaction with its cell-bound ligands (delta, serrate) establishes an intercellular signalling pathway that plays a key role in neural development. Homologues of the notch-ligands have also been identified in human, but precise interactions between these ligands and the human notch homologues remains to be determined. Mutations in NOTCH3 have been identified as the underlying cause of cerebral autosomal dominant arteriopathy with subcortical infarcts and leukoencephalopathy (CADASIL). [provided by RefSeq]

Other Notch homolog 3

Designations:

Gene Pathway

[Dorso-ventral axis formation](#) [Notch signaling pathway](#)

Related Disease

[Brain Infarction](#) [Brain Ischemia](#) [CADASIL](#) [Cardiovascular Diseases](#) [Cerebral Hemorrhage](#) [Cerebral Infarction](#) [Cerebrovascular Accident](#) [Cerebrovascular Disorders](#) [Chromosome Aberrations](#) [Cleft Lip](#) [Cleft Palate](#) [Cognition Disorders](#) [Dementia](#) [Dementia, Multi-Infarct](#) [Diabetes Mellitus, Type 2](#) [Disease Progression](#) [Dominance, Cerebral](#) [Edema](#) [Genetic Predisposition to Disease](#)

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