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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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NOTCH2 Pre-design Chimera RNAi

Catalog # : H00004853-R01 **規格 :** [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens Notch homolog 2 (Drosophila) (NOTCH2), mRNA.

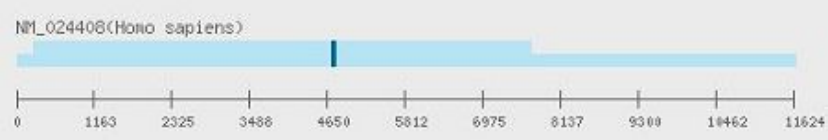
Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_024408

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

Note: Position of the Chimera RNAi.



Publication Reference

1. 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.
2. 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.
3. 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.
4. 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: 4853

Gene Name: NOTCH2

Gene Alias: AGS2,hN2

Application Image

RNAi Knockdown

Gene Description:	Notch homolog 2 (Drosophila)
Omim ID:	600275, 610205
Gene Ontology:	Hyperlink
Gene Summary:	This gene encodes a member of the Notch family. Members of this Type 1 transmembrane protein family share structural characteristics including an extracellular domain consisting of multiple epidermal growth factor-like (EGF) repeats, and an intracellular domain consisting of multiple, different domain types. Notch family members play a role in a variety of developmental processes by controlling cell fate decisions. The Notch signaling network is an evolutionarily conserved intercellular signaling pathway which regulates interactions between physically adjacent cells. In Drosophilia, notch interaction with its cell-bound ligands (delta, serrate) establishes an intercellular signaling pathway that plays a key role in development. Homologues of the notch-ligands have also been identified in human, but precise interactions between these ligands and the human notch homologues remain to be determined. This protein is cleaved in the trans-Golgi network, and presented on the cell surface as a heterodimer. This protein functions as a receptor for membrane bound ligands, and may play a role in vascular, renal and hepatic development. [provided by RefSeq
Other Designations:	OTTHUMP00000014035,OTTHUMP00000059536,notch 2

Gene Pathway

Dorso-ventral axis formation Notch signaling pathway

Related Disease

Birth Weight Breast cancer Breast Neoplasms Carcinoma Cardiovascular Diseases Diabetes Complications Diabetes Mellitus Diabetes Mellitus, Type 1 Diabetes Mellitus, Type 2 Disease Susceptibility Dominance, Cerebral Edema Genetic Predisposition to Disease Glucose Intolerance HIV Infections Hyperglycemia Insulin Resistance Kidney Failure Lymphoma, B-Cell, Marginal Zone

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