



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

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) 

NOTCH1 Pre-design Chimera RNAi

Catalog # : H00004851-R01

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens Notch homolog 1, translocation-associated (Drosophila) (NOTCH1), mRNA.

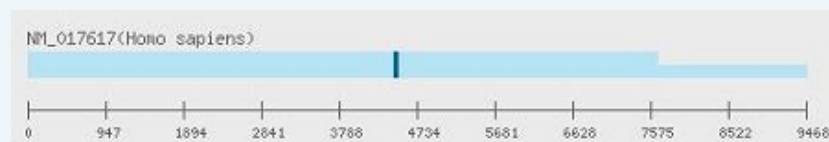
Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_017617

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: [4851](#)

Gene Name: NOTCH1

Gene Alias: TAN1,hN1

Gene Notch homolog 1, translocation-associated (Drosophila)

Description:

Omim ID: [109730](#), [190198](#)

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 Drosophila, 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 multiple roles during development. [provided by RefSeq]

Other OTTHUMP00000022594,neurogenic locus notch homolog protein

Designations: 1,notch1,translocation-associated notch protein TAN-1

Gene Pathway

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

Related Disease

[Alzheimer disease](#) [Birth Weight](#) [Diabetes Mellitus, Type 2](#)
[Genetic Predisposition to Disease](#) [Head and Neck Neoplasms](#) [Kidney Failure, Chronic](#)
[Leukemia, Myeloid, Acute](#) [Leukemia, T-Cell, Acute](#) [Lymphoma, T-Cell](#) [Multiple Myeloma](#)
[Neoplasm Recurrence, Local](#) [Neoplasms, Second Primary](#) [Pancreatic cancer](#)
[Pancreatic Neoplasms](#) [Precursor T-Cell Lymphoblastic Leukemia-Lymphoma](#)
[Schizophrenia](#)