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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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NGFB Pre-design Chimera RNAi

Catalog # : H00004803-R01

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens nerve growth factor, beta polypeptide (NGFB), mRNA.

Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_002506

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: [4803](#)

Gene Name: NGF

Gene Alias: Beta-NGF, HSN5, MGC161426, MGC161428, NGFB

Gene nerve growth factor (beta polypeptide)

Description:

Omim ID: [162030](#), [608654](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: This gene is a member of the NGF-beta family and encodes a secreted protein which homodimerizes and is incorporated into a larger complex. This protein has nerve growth stimulating activity and the complex is involved in the regulation of growth and the differentiation of sympathetic and certain sensory neurons. Mutations in this gene have been associated with hereditary sensory and autonomic neuropathy, type 5 (HSAN5), and dysregulation of this gene's expression is associated with allergic rhinitis. [provided by RefSeq]

Other Designations: OTTHUMP00000013653,beta-nerve growth factor,nerve growth factor, beta polypeptide,nerve growth factor, beta subunit

Gene Pathway

[Apoptosis](#) [MAPK signaling pathway](#) [Neurotrophin signaling pathway](#)

Related Disease

[Alzheimer Disease](#) [Alzheimer disease](#) [Anxiety Disorders](#) [Asperger Syndrome](#) [Asthma](#) [Asthma](#) [Attention Deficit Disorder with Hyperactivity](#) [Autistic Disorder](#) [Bronchiolitis, Viral](#) [Dermatitis, Atopic](#) [Disease Models, Animal](#) [Eating Disorders](#) [Genetic Predisposition to Disease](#) [Hereditary Sensory and Autonomic Neuropathies](#) [Infant, Premature, Diseases](#) [Kidney Failure, Chronic](#) [Mental Disorders](#) [Multiple Sclerosis](#) [Personality Assessment](#)

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