



# SZABO SCANDIC

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## Produktinformation



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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## NTRK1 Pre-design Chimera RNAi

Catalog # : H00004914-R12

規格 : [ 10 nmol ] [ 20 nmol ]

List All

### Specification

**Product Description:** Homo sapiens neurotrophic tyrosine kinase, receptor, type 1 (NTRK1), transcript variant 2, mRNA.

**Reactivity:** Human

**Supplied Product:** DEPC water

**Target Refseq:** NM\_002529

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

**Note:** Position of the Chimera RNAi.  
The related RNAi products listed below were designed from different accession number but sharing the same RNAi sequence.



### 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:** [4914](#)

**Gene Name:** NTRK1

**Gene Alias:** DKFZp78114186,MTC,TRK,TRK1,TRKA,p140-TrkA

**Gene Description:** neurotrophic tyrosine kinase, receptor, type 1

**Omim ID:** [155240](#), [191315](#), [256800](#)

**Gene Ontology:** [Hyperlink](#)

**Gene Summary:** This gene encodes a member of the neurotrophic tyrosine kinase receptor (NTRK) family. This kinase is a membrane-bound receptor that, upon neurotrophin binding, phosphorylates itself and members of the MAPK pathway. The presence of this kinase leads to cell differentiation and may play a role in specifying sensory neuron subtypes. Mutations in this gene have been associated with congenital insensitivity to pain, anhidrosis, self-mutilating behavior, mental retardation and cancer. Alternate transcriptional splice variants of this gene have been found, but only three have been characterized to date. [provided by RefSeq]

**Other Designations:** OTTHUMP00000038736,Oncogene TRK,high affinity nerve growth factor receptor,tyrosine kinase receptor A

### Gene Pathway

[Apoptosis](#) [Endocytosis](#) [MAPK signaling pathway](#) [Neurotrophin signaling pathway](#) [Pathways in cancer](#) [Thyroid cancer](#)

### Related Disease

[Alzheimer Disease](#) [Alzheimer disease](#) [Asperger Syndrome](#) [Autistic Disorder](#) [Cardiovascular Diseases](#) [Diabetes Mellitus, Type 2](#) [Disease Models, Animal](#) [Eating Disorders](#) [Edema](#) [Genetic Predisposition to Disease](#) [Hereditary Sensory and Autonomic Neuropathies](#) [Hyperparathyroidism, Secondary](#) [Kidney Failure, Chronic](#) [Leukemia, Myeloid, Acute](#) [Mental Disorders](#) [Neuroblastoma](#) [Social Perception](#) [Thyroid Diseases](#) [Thyroid Neoplasms](#)

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