



# SZABO SCANDIC

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## Produktinformation



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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## NRG1 Pre-design Chimera RNAi

Catalog # : H00003084-R02

規格 : [ 10 nmol ] [ 20 nmol ]

List All

### Specification

**Product Description:** Homo sapiens neuregulin 1 (NRG1), transcript variant GGF2, mRNA.

**Reactivity:** Human

**Supplied Product:** DEPC water

**Target Refseq:** NM\_013962

**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:** 3084

**Gene Name:** NRG1

**Gene Alias:** ARIA,GGF,GGF2,HGL,HRG,HRG1,HRGA,NDF,SMDF

**Gene** neuregulin 1

**Description:**

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**Omim ID:** [142445](#), [603013](#)

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

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**Gene Summary:** The protein encoded by this gene was originally identified as a 44-kD glycoprotein that interacts with the NEU/ERBB2 receptor tyrosine kinase to increase its phosphorylation on tyrosine residues. This protein is a signaling protein that mediates cell-cell interactions and plays critical roles in the growth and development of multiple organ systems. It is known that an extraordinary variety of different isoforms are produced from this gene through alternative promoter usage and splicing. These isoforms are tissue-specifically expressed and differ significantly in their structure, and thereby these isoforms are classified into types I, II, III, IV, V and VI. The gene dysregulation has been linked to diseases such as cancer, schizophrenia and bipolar disorder (BPD). [provided by RefSeq]

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**Other Designations:** glial growth factor, heregulin, alpha (45kD, ERBB2 p185-activator), neu differentiation factor, neuregulin 1 isoform HRG-gamma, sensory and motor neuron derived factor

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**Gene Pathway**

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[ErbB signaling pathway](#)

**Related Disease**

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[Alzheimer Disease](#) [Alzheimer disease](#) [Amphetamine-Related Disorders](#) [Anoxia](#) [Asthma](#) [Asthma](#) [Atherosclerosis](#) [Atrophy](#) [Attention](#) [Autistic Disorder](#) [Bipolar Disorder](#) [Cardiovascular Diseases](#) [Carotid Artery Diseases](#) [Chronic Disease](#) [Cognition](#) [Cognition Disorders](#) [Depressive Disorder, Major](#) [Diabetes Mellitus, Type 2](#) [Dominance, Cerebral](#)

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