



# 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](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## DRD4 Pre-design Chimera RNAi

Catalog # : H00001815-R02

規格 : [ 10 nmol ] [ 20 nmol ]

List All

### Specification

**Product** Homo sapiens dopamine receptor D4 (DRD4), mRNA.

**Description:**

**Reactivity:** Human

**Supplied** DEPC water

**Product:**

**Target Refseq:** NM\_000797

**Storage** Store at -20°C, do not exceed 4 - 5 freeze-thaw cycles to ensure  
**Instruction:** 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:** 1815

**Gene Name:** DRD4

**Gene Alias:** D4DR

**Gene** dopamine receptor D4

**Description:**

---

**Omim ID:** [126452](#), [143465](#), [168600](#), [601696](#)

---

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

---

**Gene Summary:** This gene encodes the D4 subtype of the dopamine receptor. The D4 subtype is a G-protein coupled receptor which inhibits adenylyl cyclase. It is a target for drugs which treat schizophrenia and Parkinson disease. Mutations in this gene have been associated with various behavioral phenotypes, including autonomic nervous system dysfunction, attention deficit/hyperactivity disorder, and the personality trait of novelty seeking. This gene contains a polymorphic number (2-10 copies) of tandem 48 nt repeats; the sequence shown contains four repeats. [provided by RefSeq]

---

**Other Designations:** D(2C) dopamine receptor, seven transmembrane helix receptor

---

**Gene Pathway**

---

[Neuroactive ligand-receptor interaction](#)

**Related Disease**

---

[Alcoholic Intoxication](#) [Alcoholism](#) [Alzheimer Disease](#) [Alzheimer disease](#)  
[Amphetamine-Related Disorders](#) [Anorexia Nervosa](#) [Antisocial Personality Disorder](#)  
[Anxiety Disorders](#) [Anxiety, Separation](#) [Arousal](#) [Atrophy](#) [Attention](#)  
[Attention Deficit and Disruptive Behavior Disorders](#)  
[Attention Deficit Disorder with Hyperactivity](#) [Auditory Perceptual Disorders](#) [Autistic Disorder](#)  
[Behavior Therapy](#) [Bipolar Disorder](#) [Birth Weight](#)

... see more