



# 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) 

## CCND1 Pre-design Chimera RNAi

Catalog # : H00000595-R01

規格 : [ 10 nmol ] [ 20 nmol ]

List All

### Specification

**Product** Homo sapiens cyclin D1 (CCND1), mRNA.

**Description:**

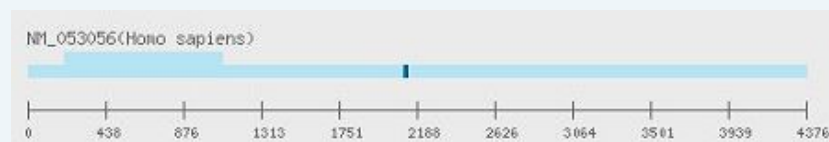
**Reactivity:** Human

**Supplied Product:** DEPC water

**Target Refseq:** NM\_053056

**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:** [595](#)

**Gene Name:** CCND1

**Gene Alias:** BCL1,D11S287E,PRAD1,U21B31

**Gene** cyclin D1

**Description:**

**Omim ID:** [151400](#), [168461](#), [193300](#), [254500](#)

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

**Gene Summary:** The protein encoded by this gene belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance throughout the cell cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. This cyclin forms a complex with and functions as a regulatory subunit of CDK4 or CDK6, whose activity is required for cell cycle G1/S transition. This protein has been shown to interact with tumor suppressor protein Rb and the expression of this gene is regulated positively by Rb. Mutations, amplification and overexpression of this gene, which alters cell cycle progression, are observed frequently in a variety of tumors and may contribute to tumorigenesis. [provided by RefSeq]

**Other** B-cell CLL/lymphoma 1,G1/S-specific cyclin D1

**Designations:**

**Gene Pathway**

[Acute myeloid leukemia](#) [Bladder cancer](#) [Cell cycle](#) [Chronic myeloid leukemia](#)  
[Colorectal cancer](#) [Endometrial cancer](#) [Focal adhesion](#) [Glioma](#) [Jak-STAT signaling pathway](#)  
[Melanoma](#) [Non-small cell lung cancer](#) [p53 signaling pathway](#) [Pancreatic cancer](#)  
[Pathways in cancer](#) [Prostate cancer](#) [Small cell lung cancer](#) [Thyroid cancer](#)  
[Wnt signaling pathway](#)

**Related Disease**

[Adenocarcinoma](#) [Adenocarcinoma, Mucinous](#) [Adenoma](#) [Ataxia telangiectasia](#)  
[Barrett Esophagus](#) [Brain Neoplasms](#) [Breast cancer](#) [Breast Neoplasms](#)  
[Breast Neoplasms, Male](#) [Carcinoma](#) [Carcinoma in Situ](#) [Carcinoma, Basal Cell](#)  
[Carcinoma, Hepatocellular](#) [Carcinoma, Non-Small-Cell Lung](#) [Carcinoma, Renal Cell](#)  
[Carcinoma, Squamous Cell](#) [Carcinoma, Transitional Cell](#) [Cell Transformation, Neoplastic](#)  
[Cell Transformation, Viral](#)

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