



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## OCA2 Pre-design Chimera RNAi

Catalog # : H00004948-R01

規格 : [ 10 nmol ] [ 20 nmol ]

List All

### Specification

**Product Description:** Homo sapiens oculocutaneous albinism II (pink-eye dilution homolog, mouse) (OCA2), mRNA.

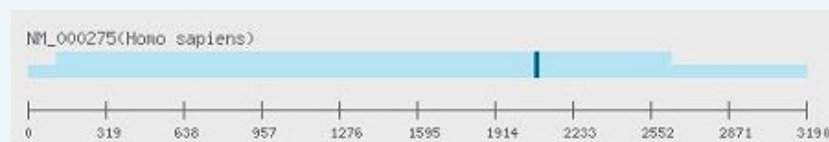
**Reactivity:** Human

**Supplied Product:** DEPC water

**Target Refseq:** NM\_000275

**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:** 4948

**Gene Name:** OCA2

**Gene Alias:** BEY,BEY1,BEY2,BOCA,D15S12,EYCL,EYCL2,EYCL3,HCL3,P,PED,SH EP1

**Gene**                   oculocutaneous albinism II

**Description:**

**Omim ID:**                [203200](#), [227220](#), [601800](#), [611409](#)

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

**Gene Summary:** This gene encodes the human homologue of the mouse p (pink-eyed dilution) gene. The encoded protein is believed to be an integral membrane protein involved in small molecule transport, specifically tyrosine - a precursor of melanin. Mutations in this gene result in type 2 oculocutaneous albinism. [provided by RefSeq]

**Other Designations:**    eye color 2 (central brown),eye color 3 (brown),hair color 3 (brown),melanocyte-specific transporter protein,oculocutaneous albinism II (pink-eye dilution homolog, mouse),total brown iris pigmentation

**Related Disease**

[Albinism](#), [Oculocutaneous Carcinoma](#), [Basal Cell Carcinoma](#), [Squamous Cell Cardiovascular Diseases](#) [Diabetes Mellitus](#), [Type 2 Edema](#) [Genetic Predisposition to Disease](#) [Hermanski-Pudlak Syndrome](#) [Lung Neoplasms](#) [Lymphoma](#), [Non-Hodgkin Malignant melanoma](#) [Melanoma](#) [Melanosis](#) [Nevus](#), [Pigmented Pulmonary Disease](#), [Chronic Obstructive](#) [Retinal Diseases](#) [Skin Neoplasms](#) [Tobacco Use Disorder](#) [Urinary Bladder Neoplasms](#)

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