



# 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

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## CYBA Pre-design Chimera RNAi

Catalog # : H00001535-R01

規格 : [ 10 nmol ] [ 20 nmol ]

List All

### Specification

**Product Description:** Homo sapiens cytochrome b-245, alpha polypeptide (CYBA), mRNA.

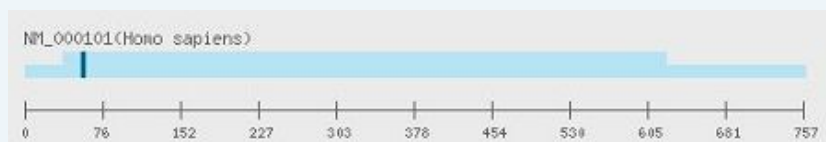
**Reactivity:** Human

**Supplied Product:** DEPC water

**Target Refseq:** NM\_000101

**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

1. [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.
2. [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.
3. [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.
4. [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:** [1535](#)

**Gene Name:** CYBA

**Gene Alias:** p22-PHOX

**Gene** cytochrome b-245, alpha polypeptide

**Description:**

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**Omim ID:** [233690](#), [608508](#)

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

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**Gene Summary:** Cytochrome b is comprised of a light chain (alpha) and a heavy chain (beta). This gene encodes the light, alpha subunit which has been proposed as a primary component of the microbicidal oxidase system of phagocytes. Mutations in this gene are associated with autosomal recessive chronic granulomatous disease (CGD), that is characterized by the failure of activated phagocytes to generate superoxide, which is important for the microbicidal activity of these cells. [provided by RefSeq]

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**Other Designations:** cytochrome b light chain,cytochrome b(558) alpha-subunit,cytochrome b, alpha polypeptide,flavocytochrome b-558 alpha polypeptide

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**Gene Pathway**

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[Leukocyte transendothelial migration](#)

**Related Disease**

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[Acute Disease](#) [Aggressive Periodontitis](#) [Agranulocytosis](#) [Albuminuria](#) [Angina Pectoris](#)  
[Angina Pectoris, Variant](#) [Arteriosclerosis](#) [Asthma](#) [Asthma](#) [Atherosclerosis](#) [Atherosclerosis](#)  
[Birth Weight](#) [Brain Infarction](#) [Brain Ischemia](#) [Bronchiolitis, Viral](#) [Candidiasis](#)  
[Cardiovascular Diseases](#) [Carotid Artery Diseases](#) [Cerebral Infarction](#)

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