



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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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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## FCGR3A Pre-design Chimera RNAi

Catalog # : H00002214-R02

規格 : [ 10 nmol ] [ 20 nmol ]

List All

### Specification

**Product Description:** Homo sapiens Fc fragment of IgG, low affinity IIIa, receptor (CD16a) (FCGR3A), mRNA.

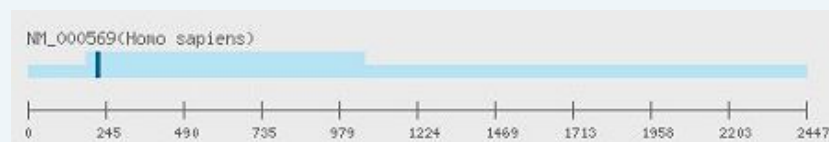
**Reactivity:** Human

**Supplied Product:** DEPC water

**Target Refseq:** NM\_000569

**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:** 2214

**Gene Name:** FCGR3A

**Gene Alias:** CD16,CD16A,FCG3,FCGR3,FCGRIII,FCR-10,FCRIII,FCRIIIA,IGFR3

**Gene** Fc fragment of IgG, low affinity IIIa, receptor (CD16a)

**Description:**

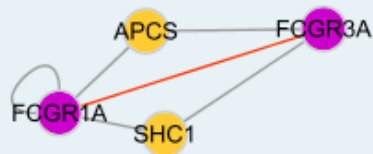
**Omim ID:** [146740](#), [152700](#)

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

**Gene Summary:** This gene encodes a receptor for the Fc portion of immunoglobulin G, and it is involved in the removal of antigen-antibody complexes from the circulation, as well as other antibody-dependent responses. This gene (FCGR3A) is highly similar to another nearby gene (FCGR3B) located on chromosome 1. The receptor encoded by this gene is expressed on natural killer (NK) cells as an integral membrane glycoprotein anchored through a transmembrane peptide, whereas FCGR3B is expressed on polymorphonuclear neutrophils (PMN) where the receptor is anchored through a phosphatidylinositol (PI) linkage. Mutations in this gene have been linked to susceptibility to recurrent viral infections, susceptibility to systemic lupus erythematosus, and alloimmune neonatal neutropenia. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

**Other Designations:** Fc fragment of IgG, low affinity III, receptor for (CD16),Fc fragment of IgG, low affinity IIIa, receptor for (CD16),Fc gamma receptor III-A,Fc-gamma RIII-alpha,Fc-gamma RIIIa,Fc-gamma receptor III-2 (CD 16),Fc-gamma receptor IIIb (CD16),FcgammaRIIIA,OTTH

**Interactome**



**Gene Pathway**

[Fc gamma R-mediated phagocytosis](#) [Natural killer cell mediated cytotoxicity](#)  
[Systemic lupus erythematosus](#)

**Related Disease**

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[Anti-Glomerular Basement Membrane Disease](#) [Arthritis, Psoriatic](#) [Arthritis, Rheumatoid](#)  
[Asthma](#) [Asthma](#) [Atherosclerosis](#) [Autoimmune Diseases](#) [Behcet Syndrome](#) [Breast cancer](#)  
[Breast Neoplasms](#) [Candidiasis](#) [Carcinoma, Squamous Cell](#)

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