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- Trockeneiszuschlag
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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

www.szabo-scandic.com

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


FCGR3A (Human) Recombinant Protein Proteo-Liposomes

Catalog # : H00002214-G01

規格 : [10 ug]

[List All](#)

Specification

Product Description:	Human FCGR3A full-length ORF (AAH36723.1) recombinant protein without tag.
Sequence:	MGGGAGERLFTSSCLVGLVPLGLRISLVTCP LQCGIMWQLLLPTALLL VSAGMRTEDLPKAVVFLEPQWYRVLEKDSVTLKCGGAYSPEDNSTQWF HNESLISSQASSYFIDAATVDDSGEYRCQTNLSTLSDPVQLEVHIGWLLL QAPRWVFKKEEDPIHLRCHSWKNTALHKV TYLQNGKGRKYFHHNSDFYIP KATLKDSGSYFCRGLVGSKNV SSETVNITITQGLAVSTISSFFPPGYQVS FCLVMVLLFAVDTGLYFSVKTNIRSSTRDWKDKHKFKWRKDPQDK
Host:	Wheat Germ (in vitro)
Theoretical MW (kDa):	32.6
Form:	Liquid
Preparation Method:	<u><i>in vitro</i> wheat germ expression system with proprietary liposome technology</u>
Recommend Usage:	Heating may cause protein aggregation. Please do not heat this product before electrophoresis.
Storage Buffer:	25 mM Tris-HCl of pH8.0 containing 2% glycerol.
Storage Instruction:	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note:	Best use within three months from the date of receipt of this protein.
Datasheet:	 Download

Publication Reference

- Production and partial purification of membrane proteins using a liposome-supplemented wheat cell-free translation system.
Nozawa A, Ogasawara T, Matsunaga S, Iwasaki T, Sawasaki T, Endo Y. BMC Biotechnol. 2011 Apr 11;11:35.

Applications

Antibody Production

Functional Study

Recommended usage only, not validated yet.

Compound Screening

Recommended usage only, not validated yet.

Gene Information

Entrez GeneID: [2214](#)

Application Image

Antibody Production

Functional Study

Compound Screening

**GeneBank
Accession#:** [BC036723.1](#)

**Protein
Accession#:** [AAH36723.1](#)

Gene Name: FCGR3A

Gene Alias: CD16,CD16A,FCG3,FCGR3,FCGR3B,FCR-10,FCRIII,FCRIIIA,IGFR3

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

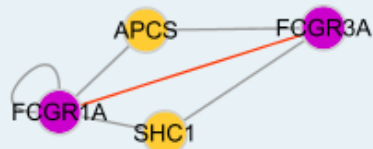
Omim ID: [146740](#), [152700](#)

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 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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