



# 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

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## Datasheet

### FCGR3A (Human) Recombinant Protein (Biotin)

**Catalog Number:** P10400

**Regulation Status:** For research use only (RUO)

**Product Description:** Human FCGR3A (AAH17865, 1Gly17-Gln208) partial recombinant protein with His-Avi tag at the C-Terminus expressed in HEK293 cells.

**Sequence:** Gly17-Gln208

**Host:** Human

**Theoretical MW (kDa):** 24.7

**Protocols:** See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Form:** Lyophilized

**Conjugation:** Biotin

**Preparation Method:** Mammalian cell (HEK293) expression system

**Purity:** > 95% by Tris-Bis PAGE  
> 95% by HPLC

**Endotoxin Level:** < 0.1 EU per 1 ug as determined by the LAL method.

**Activity:** The EC<sub>50</sub> was 28.2 ng/mL, measured by ELISA at 1 ug/mL. The affinity constant was 0.539 uM, determined by SPR assay.

**Recommend Usage:** Biological Activity  
Tris-Bis PAGE  
SEC-HPLC  
The optimal working dilution should be determined by the end user.

**Storage Buffer:** Lyophilized from 0.22 um filtered solution in PBS, pH 7.4. (8% trehalose).

**Storage Instruction:** Store at -20°C for 12 months.  
After reconstitution, store at 4°C for 2-7 days, or store at -80°C for 3-6 months.

Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 2214

**Gene Symbol:** FCGR3A

**Gene Alias:** CD16, CD16A, FCG3, FCGR3, FCGR3I, FCR-10, FCR3I, FCR3IIA, IGFR3

**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]