

# Biotinylated Recombinant Human Fc-gamma RIII beta/FCGR3B/CD16b Protein

Catalog No.: RP00471B **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	2215	O75015-1

### Tags

C-His&Avi

### Synonyms

CD16; Fc gamma RIIIB; FCG3; FCGR3B;  
FcγRIIIB; FCRIIIB; IGFR3; CD16b (NA2);  
CD16B; FCG3B; FCG3; FCGR3; FCR-10

## Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE > 95% by HPLC

### Endotoxin

< 1 EU/μg of the protein by LAL method

### Formulation

Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize freeze-thaw cycles.

## Background

Human Fc gamma RIIIB/CD16b Protein is a receptor for the Fc region of immunoglobulins gamma. Low affinity receptor. Binds complexed or aggregated IgG and also monomeric IgG. Contrary to III-A, is not capable to mediate antibody-dependent cytotoxicity and phagocytosis. May serve as a trap for immune complexes in the peripheral circulation which does not activate neutrophils.

## Basic Information

### Description

Biotinylated Recombinant Human Fc-gamma RIII beta/FCGR3B/CD16b Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gly17-Ser200) of Human Fc-gamma RIII beta/FCGR3B/CD16b (Accession #O75015-1) fused with a C-His&Avi tag at the C-terminus.

### Bio-Activity

### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

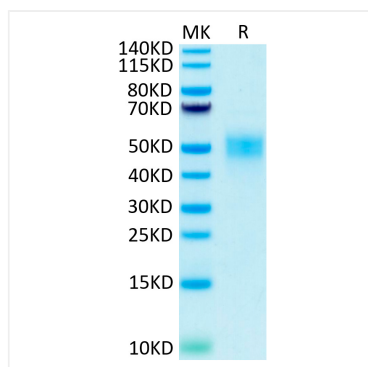
## Contact

 | 400-999-6126

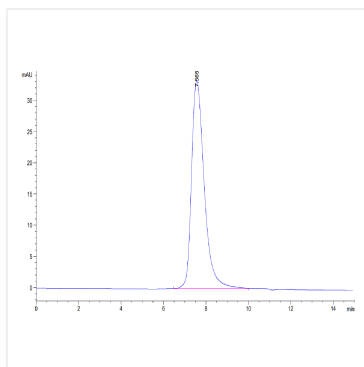
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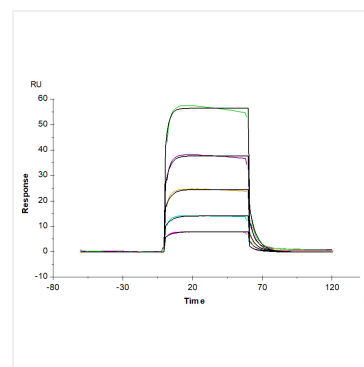
## Validation Data



Biotinylated Human Fc gamma RIIB (NA2) on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Biotinylated Human Fc gamma RIIB (NA2) is greater than 95% as determined by SEC-HPLC.



Biotinylated Human Fc gamma RIIB (NA2), His Tag captured on CM5 Chip via Anti-his antibody can bind Rituximab with an affinity constant of 3.50  $\mu$ M as determined in SPR assay (Biacore T200).