

RP02012

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# Recombinant Human Fc-gamma RIIB/CD32b Protein

Catalog No.: RP02012

Recombinant

## Sequence Information

Species	Gene ID	Swiss Prot
Human	2213	P31994-1

### Tags

C-His&Avi

### Synonyms

FCGR2B;CD32;CD32B;FCG2;FCGR2;IGFR  
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## Product Information

### Source

HEK293 cells

### Purification

> 95% by SDS-  
PAGE.

### Endotoxin

< 0.1 EU/μg of the protein by LAL  
method.

### Formulation

Lyophilized from a 0.2 μm filtered  
solution of PBS, pH 7.4. Contact us for  
customized product form or formulation.

### Reconstitution

Reconstitute to a concentration of  
0.1-0.5 mg/mL in sterile distilled water.

## Background

The Fc gamma Rs have been divided into three classes based on close relationships in their extracellular domains; these groups are designated Fc gamma RI (also known as CD64), Fc gamma RII (CD32), and Fc gamma RIII (CD16). Each group may be encoded by multiple genes and exist in different isoforms depending on species and cell type. The CD64 proteins are high affinity receptors (~10e-8-10e-9 M) capable of binding monomeric IgG, whereas the CD16 and CD32 proteins bind IgG with lower affinities (~10e-6-10e-7 M) only recognizing IgG aggregates surrounding multivalent antigens.

## Basic Information

### Description

Recombinant Human FGL1 Protein is produced by mammalian expression system. The target protein is expressed with sequence (Ala46-Pro217) of human Fc gamma RIIB /CD32b (Accession #P31994-1) fused with a 6xHis, Avi tag at the C-terminus.

### Bio-Activity

### Storage

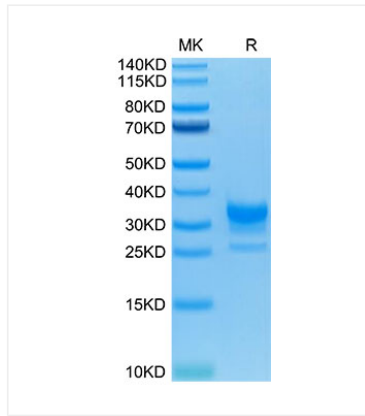
Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

## Contact

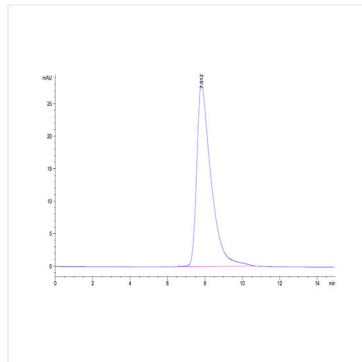


[www.abclonal.com](http://www.abclonal.com)

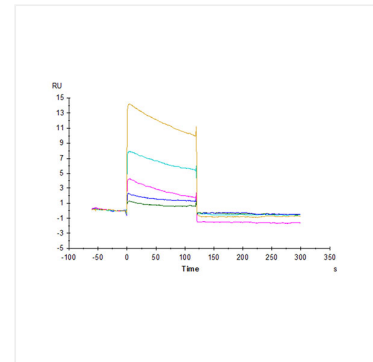
## Validation Data



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



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



Human Fc gamma RIIB, His Tag captured on CM5 Chip via anti-His antibody can bind Rituximab, hFc Tag with an affinity constant of  $9.4\mu\text{M}$  as determined in SPR assay (Biacore T200).