

Datasheet for ABIN7274601

**FCGR3B Protein (His-Avi Tag,Biotin)****3** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	FCGR3B
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FCGR3B protein is labelled with His-Avi Tag,Biotin.

## Product Details

Sequence:	Gly17-Ser200
Purity:	> 95% as determined by Tris-Bis PAGE,> 95% as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	The affinity constant of 4.3µM as determined in SPR assay (Biacore T200). See testing image for detail.

## Target Details

Target:	FCGR3B
Alternative Name:	Fc gamma RIIIB ( <a href="#">FCGR3B Products</a> )
Background:	CD16, Fc gamma RIIIB, FCG3, Fc-gamma receptor IIIb (CD 16), Fc-gamma RIIIB, Fc-gamma RIII-beta, FCGR3B, FcgRIIIB, FCRIIIB, IGFR3, IgG Fc receptor III-1, CD16b (NA2), CD16B, FCG3B, FCG3, FCGR3, FCR-10,Human Fc gamma RIIIB/CD16b Protein is a receptor for the Fc region of

## Target Details

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.

Molecular Weight: 23.7 kDa. Due to glycosylation, the protein migrates to 47-53 kDa based on Tris-Bis PAGE result.

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.

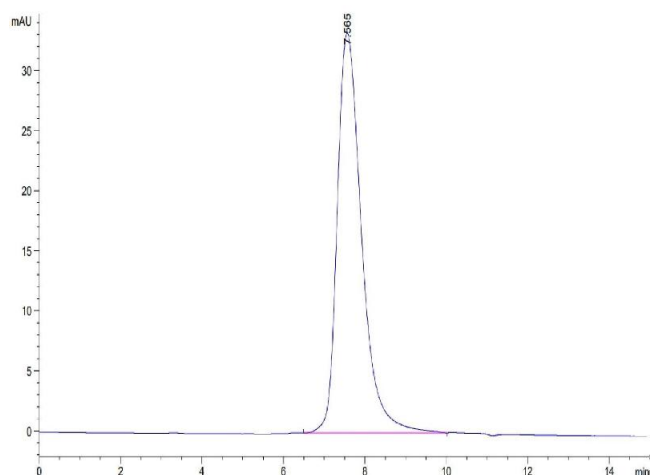
Buffer: Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.

Storage: 4 °C,-80 °C

Storage Comment: Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

Expiry Date: 12 months

## Images

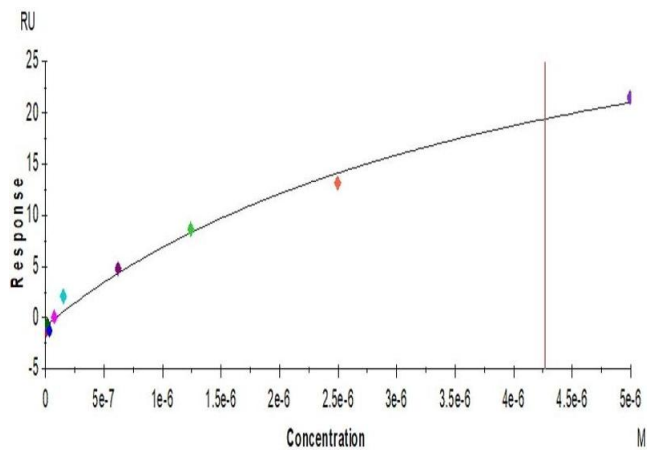


### Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 1.** The purity of Biotinylated Human Fc gamma RIIB (NA2) is greater than 95 % as determined by SEC-HPLC.

Surface Plasmon Resonance

**Image 2.** Biotinylated Human Fc gamma RIIB (NA2), His Tag captured on CM5 Chip via Anti-His Antibody can bind Rituximab, hFc Tag with an affinity constant of 4.3µM as determined in SPR assay (Biacore T200).



SDS-PAGE

**Image 3.** Biotinylated Human Fc gamma RIIB (NA2) on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

