

Datasheet for ABIN7274593

**FCGR3B Protein (AA 17-200) (His tag)****3** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	FCGR3B
Protein Characteristics:	AA 17-200
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FCGR3B protein is labelled with His tag.

## Product Details

Purpose:	Human Fc gamma RIIB/CD16b (NA1) Protein
Sequence:	Gly17-Ser200 (NA1)
Characteristics:	Recombinant Human Fc gamma RIIB/CD16b (NA1) Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Gly17-Ser200(NA1).
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 0.117 µM as determined in SPR assay (Biacore T200). See testing image for detail.

## Target Details

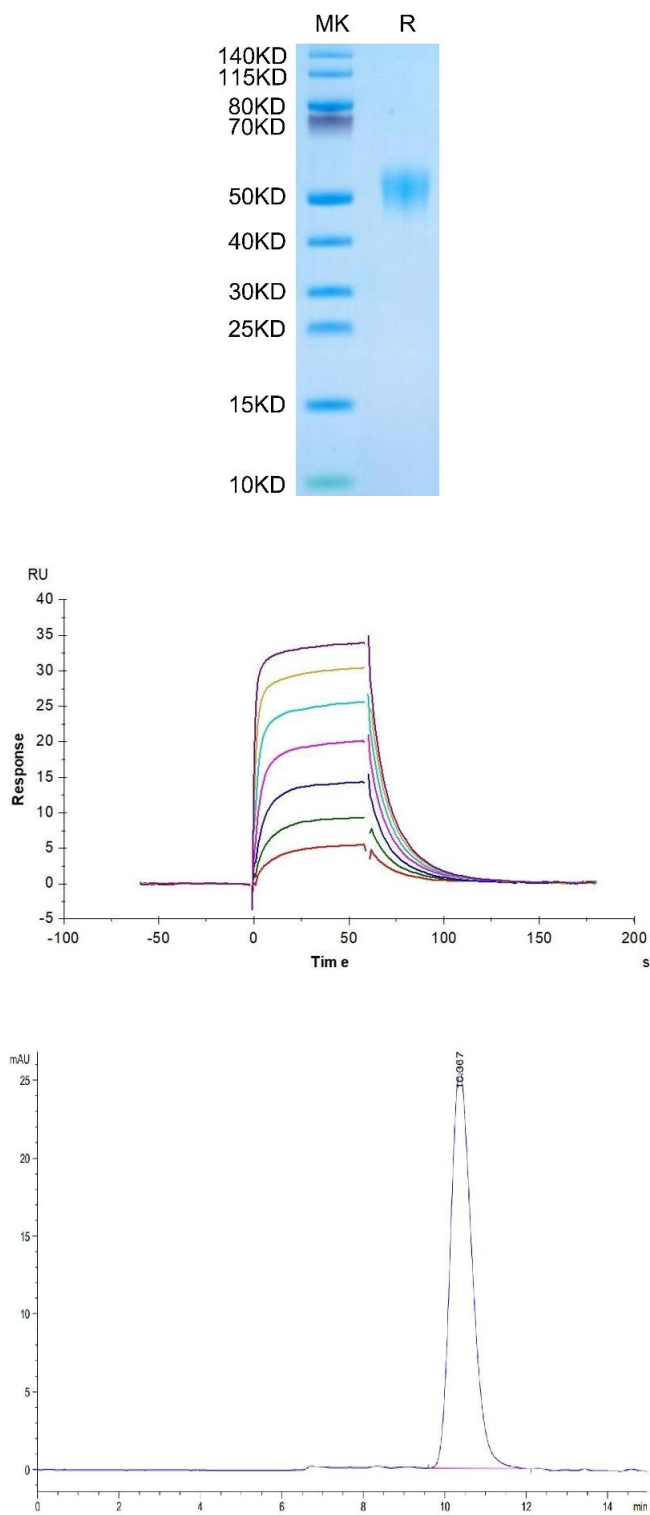
Target:	FCGR3B
Alternative Name:	Fc gamma RIIIB ( <a href="#">FCGR3B Products</a> )
Background:	Human Fc gamma RIIIB/CD16b Protein is a receptor for the Fc region of immunoglobulins gamma. Low affinity receptor. Binds complexed or aggregated IgG and also monomeric IgG. Contrary to III-A, is not capable to mediate antibody-dependent cytotoxicity and phagocytosis. May serve as a trap for immune complexes in the peripheral circulation which does not activate neutrophils.
Molecular Weight:	22 kDa. Due to glycosylation, the protein migrates to 48-55 kDa based on Tris-Bis PAGE result.

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

**Image 1.** Human Fc gamma RIIIB (NA1) on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Surface Plasmon Resonance

**Image 2.** Rituximab captured on CM5 Chip via Protein A can bind Human Fc gamma RIIIB (NA1) , His Tag with an affinity constant of 0.117  $\mu$ M as determined in SPR assay (Biacore T200).

Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 3.** The purity of Human Fc gamma RIIIB (NA1) is greater than 95 % as determined by SEC-HPLC.