

Datasheet for ABIN7274283

FCGR2A Protein (AA 36-218) (His-Avi Tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	FCGR2A
Protein Characteristics:	AA 36-218
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FCGR2A protein is labelled with His-Avi Tag.

Product Details

Purpose:	Human Fc gamma RIIA/CD32a (H167) Protein
Sequence:	Ala36-Ile218 (H167)
Characteristics:	Recombinant Human Fc gamma RIIA/CD32a (H167) Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Ala36-Ile218(H167).
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 0.606 µM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

Target:	FCGR2A
Alternative Name:	Fc gamma RIIA (FCGR2A Products)
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.
Molecular Weight:	23.2 kDa. Due to glycosylation, the protein migrates to 30-40 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

Surface Plasmon Resonance

Image 1. Rituximab captured on CM5 Chip via Protein A can bind Human Fc gamma RIIA(H167), His-Avi Tag with an affinity constant of 0.606 μ M as determined in SPR assay (Biacore T200).

SDS-PAGE

Image 2. Human Fc gamma RIIA/CD32a (H167) on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Human Fc gamma RIIA/CD32a (H167) is greater than 95 % as determined by SEC-HPLC.

