

Datasheet for ABIN7274672

FCGR1 Protein (AA 16-288) (His-Avi Tag)**4** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	FCGR1
Protein Characteristics:	AA 16-288
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FCGR1 protein is labelled with His-Avi Tag.

Product Details

Purpose:	Human Fc gamma RI/CD64 Protein
Sequence:	Gln16-Pro288
Characteristics:	Recombinant Human Fc gamma RI/CD64 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Gln16-Pro288.
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 3.74 nM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

Target:	FCGR1
Alternative Name:	Fc gamma RI (FCGR1 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:	33.5 kDa. Due to glycosylation, the protein migrates to 50-70 kDa based on Tris-Bis PAGE result.
Pathways:	Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process

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

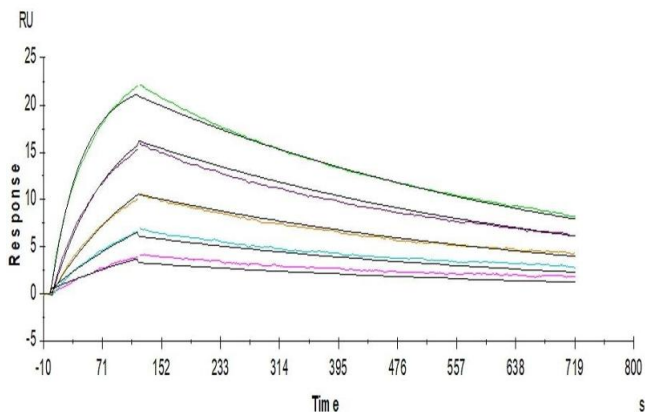
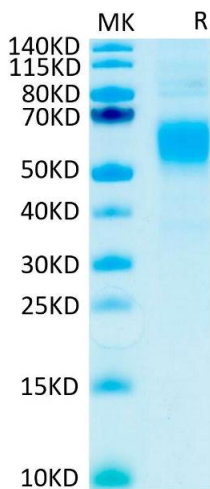
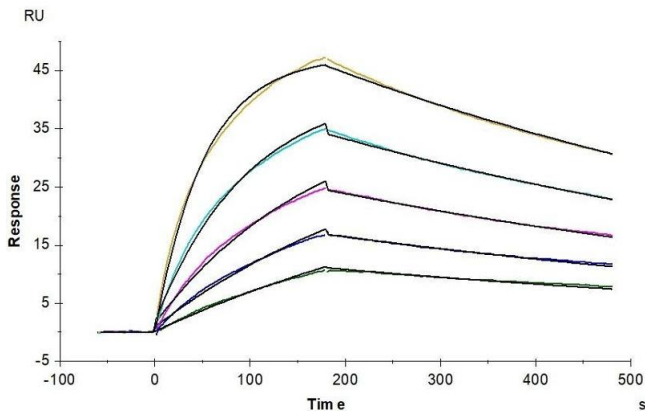
Image 1. Human Fc gamma RI, His Tag captured on CM5 Chip via anti-his antibody can bind Trastuzumab with an affinity constant of 3.74 nM as determined in SPR assay (Biacore T200).

SDS-PAGE

Image 2. Human Fc gamma RI/CD64 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Surface Plasmon Resonance

Image 3. Human CD64, His Tag captured on CM5 Chip via anti-His antibody can bind Herceptin, hFc Tag with an affinity constant of 11.3nM as determined in SPR assay (Biacore T200).



Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7274672.