

Datasheet for ABIN7274848

**Interferon gamma Protein (IFNG) (His-Avi Tag,Biotin)**[Go to Product page](#)

## 4 Images

## Overview

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

## Product Details

Sequence:	Gln24-Gly161
Purity:	> 95% as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human IFNGR1, hFc Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human IFN gamma, His Tag with the EC50 of 39.1g/ml determined by ELISA. See testing image for detail.

## Target Details

Target:	Interferon gamma (IFNG)
Alternative Name:	IFN gamma ( <a href="#">IFNG Products</a> )
Background:	Interferon-gamma, Interferon-γ, interferon, gamma, IFG, IFI, IFN gamma,Interferon-gamma (IFN gamma) is a cytokine that plays physiologically important roles in promoting innate and

## Target Details

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adaptive immune responses. The absence of IFN gamma production or cellular responsiveness in humans and experimental animals significantly predisposes the host to microbial infection, a result that validates the physiologic importance of this cytokine in preventing infectious disease.

Molecular Weight: 19.1 kDa. Due to glycosylation, the protein migrates to 25-40 kDa based on Tris-Bis PAGE result.

UniProt: [P01579](#)

Pathways: [Interferon-gamma Pathway](#), [Cellular Response to Molecule of Bacterial Origin](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#), [ER-Nucleus Signaling](#), [Regulation of Carbohydrate Metabolic Process](#), [Protein targeting to Nucleus](#), [Autophagy](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

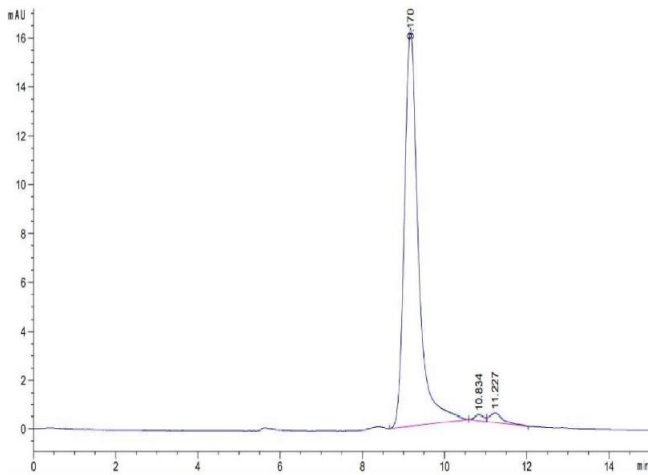
Reconstitution: Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.

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

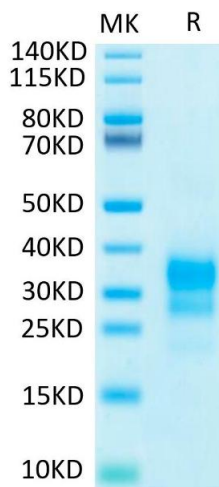
Storage Comment: Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

Expiry Date: 12 months



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

**Image 1.** The purity of Biotinylated Human IFN gamma is greater than 95 % as determined by SEC-HPLC.

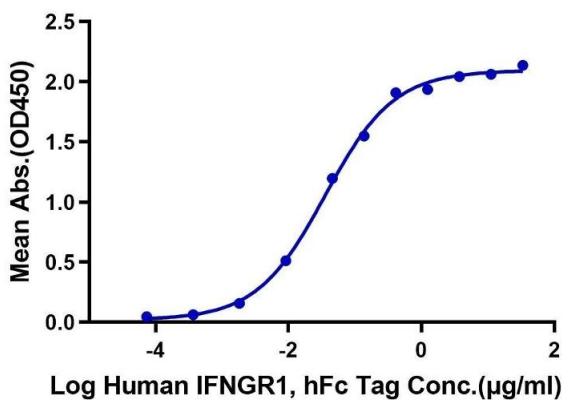


### SDS-PAGE

**Image 2.** Biotinylated Human IFN-gamma on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

### Biotinylated Human IFN-gamma, His Tag ELISA

0.1µg Biotinylated Human IFN-gamma, His Tag Per Well



### ELISA

**Image 3.** Immobilized Biotinylated Human IFN-gamma at 1 µg/mL (100 µL/Well) on the plate. Dose response curve for Human IFNGR1, hFc Tag with the EC50 35.7 ng/mL determined by ELISA.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7274848.