

Datasheet for ABIN7274847

**Interferon gamma Protein (IFNG) (His-Avi Tag)****4** Images[Go to Product page](#)

## 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.

## Product Details

Sequence:	Gln24-Gly161
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:	Immobilized Human IFN gamma, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Human IFNGR1, hFc Tag with the EC50 of 13ng/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

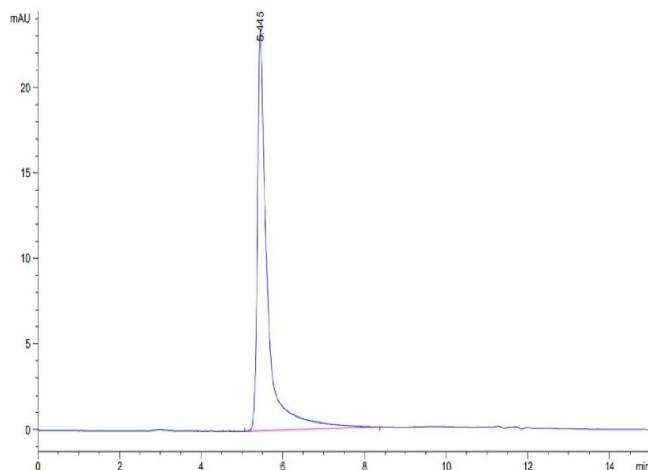
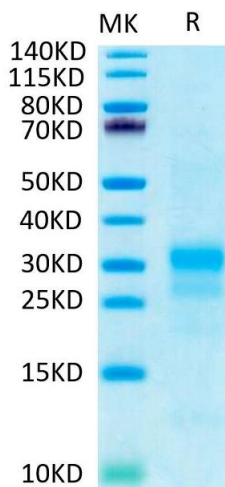
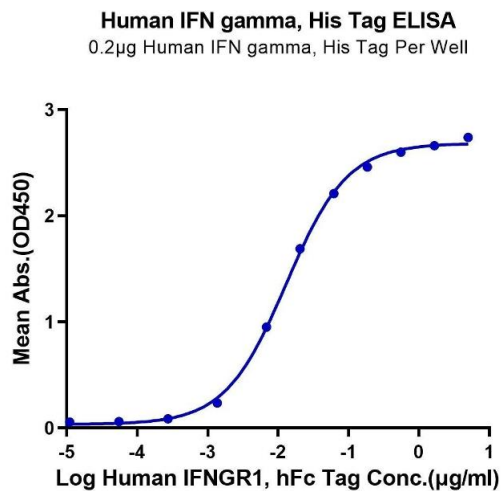
	adaptive immune responses. The absence of IFN gamma production or cellular responsiveness in humans and experimental animals significantly predisposes the host to microbial infection, a result that validates the physiologic importance of this cytokine in preventing infectious disease.
Molecular Weight:	19.1 kDa. Due to glycosylation, the protein migrates to 20-35 kDa based on Tris-Bis PAGE result.
UniProt:	<a href="#">P01579</a>
Pathways:	<a href="#">Interferon-gamma Pathway</a> , <a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">Production of Molecular Mediator of Immune Response</a> , <a href="#">ER-Nucleus Signaling</a> , <a href="#">Regulation of Carbohydrate Metabolic Process</a> , <a href="#">Protein targeting to Nucleus</a> , <a href="#">Autophagy</a>

## Application Details

Restrictions:	For Research Use only
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## 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



### ELISA

**Image 1.** Immobilized Human IFN gamma, His Tag at 2 µg/mL (100 µL/well) on the plate. Dose response curve for Human IFNGR1, hFc Tag with the EC50 of 13 ng/mL determined by ELISA.

### SDS-PAGE

**Image 2.** Human IFN-gamma 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 IFN-gamma is greater than 95 % as determined by SEC-HPLC.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7274847.