



## Synonym

IFNGR1,CD119,CDw119,IFNGR,IFN-gamma-R1

## Source

Human IFN-gamma R1, Fc Tag(IF1-H5254) is expressed from human 293 cells (HEK293). It contains AA Glu 18 - Gly 245 (Accession # [AAH05333](#)).

Predicted N-terminus: Glu 18

## Molecular Characterization

IFN-gamma R1(Glu 18 - Gly 245) AAH05333	Fc(Pro 100 - Lys 330) P01857
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This protein carries a human IgG1 Fc tag at the C-terminus.

The protein has a calculated MW of 52.4 kDa. The protein migrates as 60-80 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

## Endotoxin

Less than 1.0 EU per µg by the LAL method.

## Purity

>95% as determined by SDS-PAGE.

## Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

## Reconstitution

Please see Certificate of Analysis for specific instructions.

*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.*

## Storage

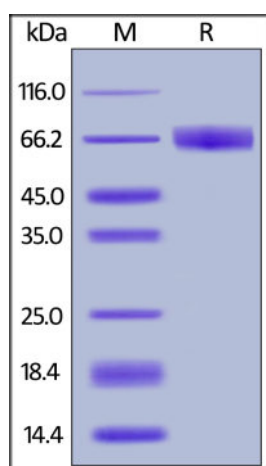
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

## SDS-PAGE

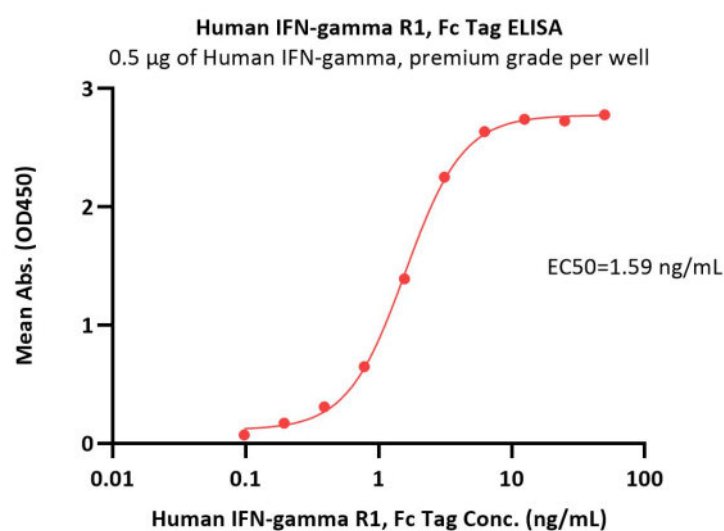


Human IFN-gamma R1, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

## Bioactivity-ELISA

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Immobilized Human IFN-gamma, premium grade (Cat. No. IFG-H4211) at 5 µg/mL (100 µL/well) can bind Human IFN-gamma R1, Fc Tag (Cat. No. IF1-H5254) with a linear range of 0.1-6 ng/mL (QC tested).

## Background

Interferon gamma receptor 1 (IFNGR1) is also known as CD antigen CD119, which belongs to the type II cytokine receptor family. IFNGR1 contains two fibronectin type-III domains and two Ig-like C2-type (immunoglobulin-like) domains. IFNGR1 / CD119 is receptor for interferon gamma. Two receptors bind one interferon gamma (IFNG) dimer.

## Clinical and Translational Updates

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