

Biotinylated Recombinant Human IFN-gamma Protein

Catalog No.: RP02383B **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	3458	P01579

Tags

C-His&Avi

Synonyms

IFNG;IFG;IFI

Product Information

Source	Purification
HEK293 cells	> 95% by Tris-Bis PAGE

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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Background

Interferon-gamma (IFN gamma) is a cytokine that plays physiologically important roles in promoting innate and 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.

Basic Information

Description

Biotinylated Recombinant Human IFN-gamma Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Gln24-Gly161) of Human IFN-gamma fused with a His tag and Avi tag at the C-terminal.

Bio-Activity

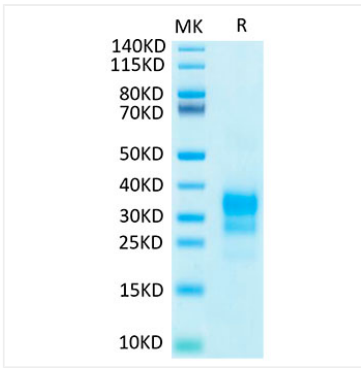
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.

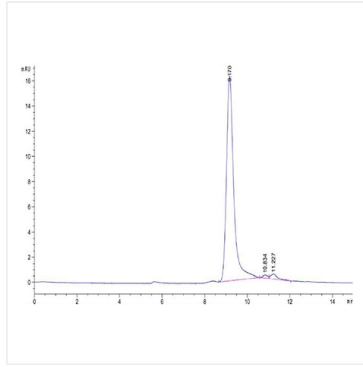
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

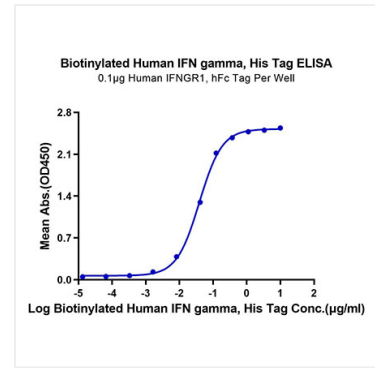
Validation Data



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



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



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.