

RP02383B

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Biotinylated Recombinant Human IFN-gamma Protein

Catalog No.: RP02383B

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	3458	P01579

Tags

C-His&Avi

Synonyms

IFNG;IFG;IFI

Product Information

Source

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.

Purification

≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by HPLC.

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

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

Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Storage

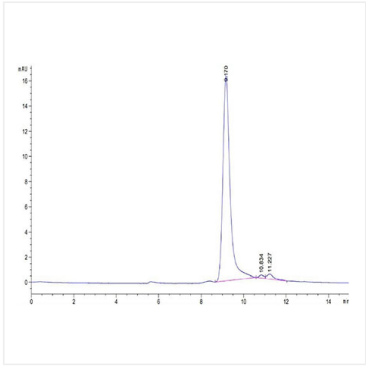
Store at -20°C
Avoid repeated freeze/thaw cycles.

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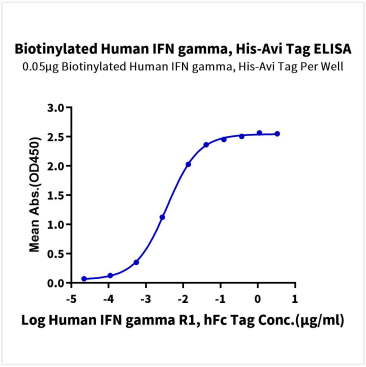
Contact



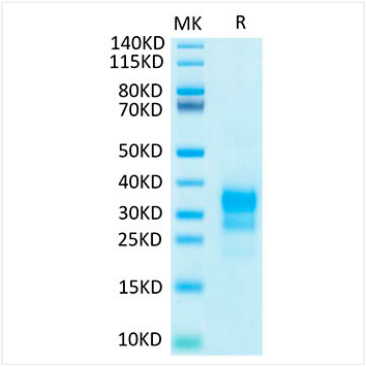
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The purity of Biotinylated Human IFN gamma is greater than 95% as determined by SEC-HPLC.



Immobilized Biotinylated Human IFN gamma, His Tag at 0.5µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Human IFN gamma R1, hFc Tag with the EC50 of 3.7ng/ml determined by ELISA.



Biotinylated Recombinant Human IFN-gamma Protein was determined by Tris-Bis PAGE under reducing conditions with Coomassie Blue.