

RP02607B

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Biotinylated Recombinant Human IFNAR1 Protein

Catalog No.: RP02607B

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	3454	P17181

Tags

C-His&Avi

Synonyms

AVP; IFN-alpha/beta R1; IFN-alpha-REC; IFNAR; IFNAR1; IFN-aR1; IFNBR; IFNbR1; IFN-R-1; CRF2-1; IFRC

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

Centrifuge the tube before opening.

Background

IFN-alpha / beta R1, also known as IFNAR1, belongs to the class II cytokine receptor family of proteins. Class II cytokine receptors form heterodimeric receptor complexes that mediate class II cytokine signals. Subunits of the different receptor complexes are shared and serve multiple functions. Functions in general as heterodimer with IFNAR2. Type I interferon binding activates the JAK-STAT signaling cascade, and triggers tyrosine phosphorylation of a number of proteins including JAKs, TYK2, STAT proteins and the IFNR alpha- and beta-subunits themselves.

Basic Information

Description

Biotinylated Recombinant Human IFNAR1 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Lys28-Lys436) of Human IFNAR1 fused with a His 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.

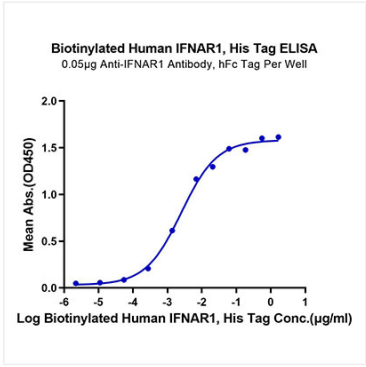
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Contact

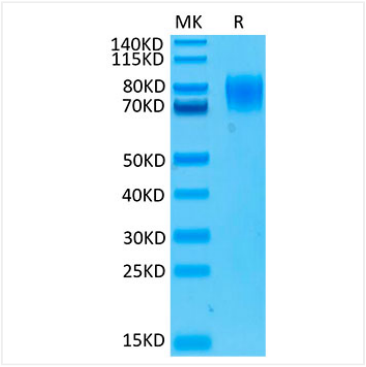


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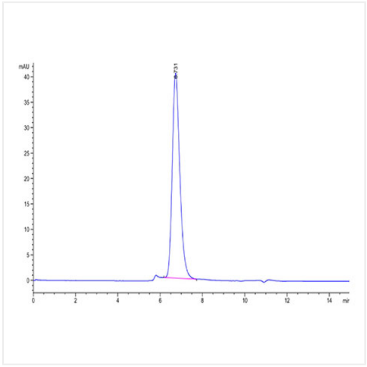
Validation Data



Immobilized Anti-IFNAR1 Antibody, hFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human IFNAR1, His Tag with the EC₅₀ of 2.5ng/ml determined by ELISA.



Biotinylated Recombinant Human IFNAR1 Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Biotinylated Human IFNAR1 is greater than 95% as determined by SEC-HPLC.