

Biotinylated Recombinant Human IFNAR1 Protein

Catalog No.: RP02607B **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	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	Purification
HEK293 cells	> 95% by Tris-Bis PAGE;> 95% by SEC-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.
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.

Contact

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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

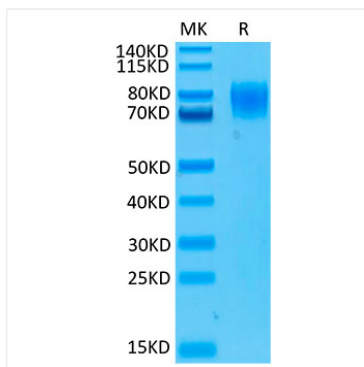
Storage

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

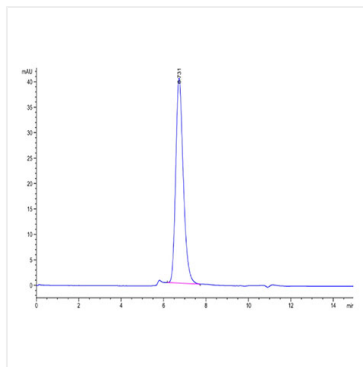
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

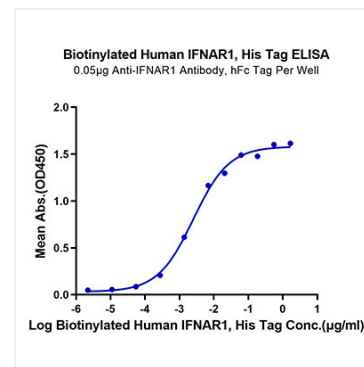
Validation Data



Biotinylated Human IFNAR1 on Tris-Bis PAGE under reduced conditions. The purity is greater than 95%.



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



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.