

Recombinant Mouse Interferon alpha/beta receptor 1/IFNAR1 Protein

Catalog No.: RP02612 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	15975	P33896

Tags

C-hFc

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% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Calculated MW	Observed MW
72.5 kDa	83-110 kDa

Endotoxin

Less than 1EU per µg by the LAL method.

Formulation

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

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

Recombinant Mouse Interferon alpha/beta receptor 1/IFNAR1 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Glu27-Thr429) of Mouse Interferon alpha/beta receptor 1/IFNAR1 (Accession #) fused with hFc tag at the C-terminal.

Bio-Activity

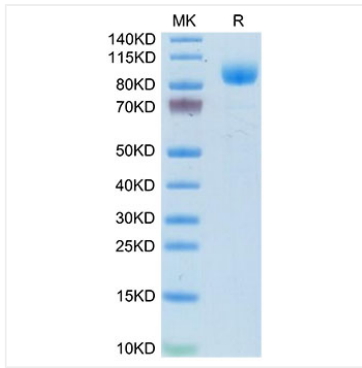
Storage

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

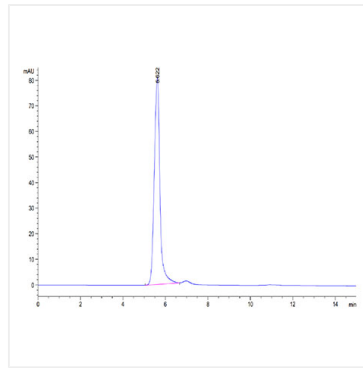
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Mouse IFNAR1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



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