

# 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

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

HPLC.

Calculated MW Observed MW

72.5 kDa 83-110 kDa

#### **Endotoxin**

HEK293 cells

< 1 EU/μg of the protein by 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 stablizer (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**

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**

#### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

### **Storage**

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

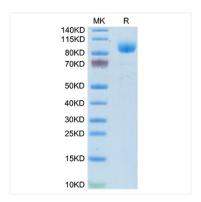
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

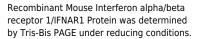
Avoid repeated freeze/thaw cycles.

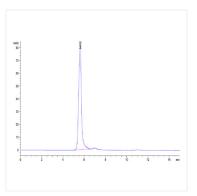
### **Operational Notes**

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

## **Validation Data**







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