

Catalog No.: RP02612 **Recombinant**

Species	Gene ID	Swiss Prot
Mouse	15975	P33896

C-hFc

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

Source HEK293 cells	Purification ≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by HPLC.
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Calculated MW	Observed MW
72.5 kDa	83-110 kDa

< 1 EU/μg of the protein by LAL method.

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.

 | 400-999-6126

 | cn.market@abclonal.com.cn

 | www.abclonal.com.cn

IFN- α / β 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 IFN α - and β -subunits themselves.

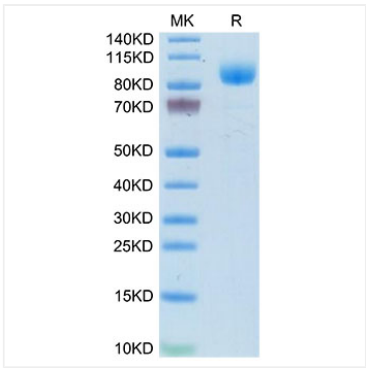
Recombinant Mouse Interferon alpha/beta receptor 1/IFNAR1 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Glu27-Thr429) of Mouse Interferon alpha/beta receptor 1/IFNAR1 (Accession #) fused with hFc tag at the C-terminal.

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

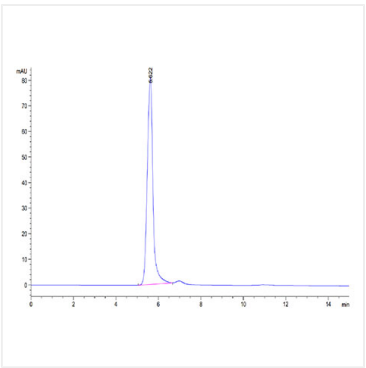
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Mouse Interferon alpha/beta receptor 1/IFNAR1 Protein was determined by Tris-Bis PAGE under reducing conditions.



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