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# **Recombinant Mouse IFN-beta Protein**

Catalog No.: RP01076 Recombinant 4 Publications

## **Sequence Information**

**Species Gene ID Swiss Prot**Mouse 15977 P01575

#### **Tags**

C-hFc&His

#### **Synonyms**

Fibroblast interferon;IFBIFNB;IFF;IFNB1;IFNbeta;IFN-

beta;interferon beta;;IFNB

## **Product Information**

# Source Purification

HEK293 cells

≥ 90 % as determined by SDS-PAGE;≥ 90 % as determined by HPLC.

#### Calculated MW Observed MW

46.52 kDa 60 kDa

#### **Endotoxin**

< 0.1 EU/ $\mu$ g of the protein by LAL method.

#### **Formulation**

Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

#### Reconstitution

Centrifuge the vial 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**

## **Basic Information**

#### **Description**

Recombinant Mouse IFN-beta Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ile22-Asn182) of mouse Interferon beta (Accession #NP 034640.1) fused with an Fc, 6×His tag at the C-terminus.

#### **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.

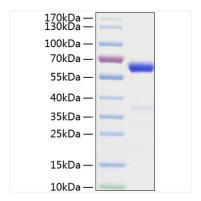
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

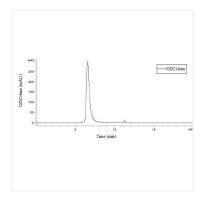
#### **Operational Notes**

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

# **Validation Data**



Recombinant Mouse IFN-beta Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Recombinant Mouse IFN-beta Protein is greater than 90% as determined by SEC-HPLC.