

RP01076

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Active Recombinant Mouse IFN-beta Protein

Catalog No.: RP01076

Recombinant

3 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	> 92% by SDS-PAGE.

Endotoxin

< 0.1 EU/μg 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 stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize freeze-thaw cycles.

Background

Basic Information

Description

Active 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

Recombinant Mouse IFN-beta enhances STAT1 autophosphorylation in Bone-marrow-derived macrophage (BMDM). 5-500 ng/mL of Recombinant Mouse IFN-beta can enhance STAT1 autophosphorylation.

Storage

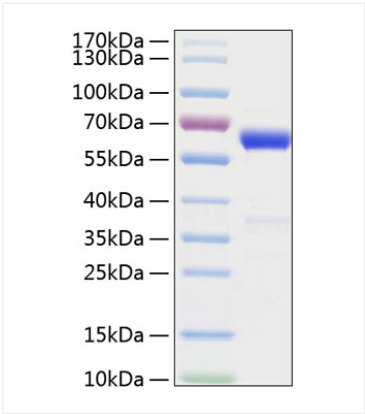
Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact

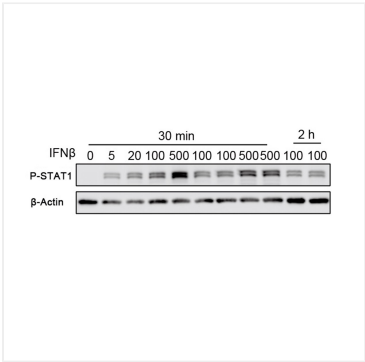


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Validation Data



Active Recombinant Mouse IFN-beta Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 60 kDa.



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