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Recombinant Mouse IFN-alpha 5 Protein

Catalog No.: RP00759 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	15968	Q810G2

Tags
C-His

Synonyms
Ifna5; If1ai12; Interferon 1ai12; Interferon alpha 5

Product Information

Source
HEK293 cells

Purification
≥ 90% as determined by reducing SDS-PAGE.

Calculated MW
19.78 KDa

Observed MW
20-25 KDa

Endotoxin
< 0.01 EU/μg of the protein by LAL method.

Formulation
Lyophilized from 0.22μm filtered solution in PBS (pH 7.4).

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

IFN-alpha 5 belongs to the alpha/beta interferon family. IFNA5 is the only IFNA subtype detected in normal liver, while a mixture of subtypes is observed in the liver tissue of patients with chronic hepatitis C. Interferons are produced by macrophages, IFN-alpha has antiviral activities. Interferon stimulates the production of two enzymes: a protein kinase and an oligoadenylate synthetase.

Basic Information

Description
Recombinant Mouse IFN-alpha 5 Protein is produced by HEK293 cells system. The target protein is expressed with sequence (Cys24-Glu189) of Mouse IFN-alpha 5(Accession #NP_034635.2) fused with 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℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ 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.

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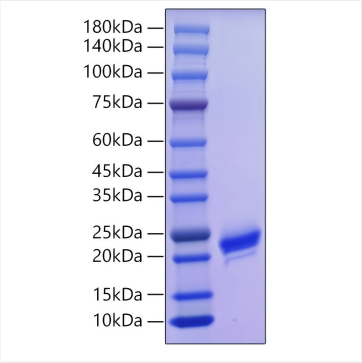
Validation Data



Recombinant Mouse IFN-alpha 5 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.

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