# Recombinant Mouse IFN-alpha 7/IFNA7 Protein

**Catalog No.: RP01975**

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## Sequence Information

**Species**
Mouse

**Gene ID**
15970

**Swiss Prot**
P06799

**Tags**
C-6His

**Synonyms**
Ifna7, If1ai9, Ifna14, Interferon 1ai9, Interferon alpha 7

## Product Information

**Source**
HEK293 cells

**Purification**
≥ 95% as determined by reducing SDS-PAGE.

**Calculated MW**
19.86 kDa

**Observed MW**
20-25 kDa

**Endotoxin**
< 1 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.

## Background

IFN are a family of cytokines with potent antiviral, antiproliferative and immunomodulatory properties, classified based on their binding specificity to cell surface receptors. Mature mouse IFNA7 consists of 166 aa and shares 59% identity with human IFNA7. The type I IFNs bind to the interferon alpha receptor (IFNAR), which consists of two subunits: IFNAR1 (alpha -subunit) and IFNAR2 (beta -subunit) . Individual IFN alpha subtypes are known to display unique efficacies to viral protection, with IFNA7 showing slightly lower antiviral potency against Mengo virus but maintaining similar anti-proliferative potency in B16 melanoma cells.

## Basic Information

**Description**
Recombinant Mouse IFN-alpha 7/IFNA7 Protein is produced by HEK293 cells system. The target protein is expressed with sequence (Cys24-Glu190) of Mouse IFN-alpha 7/IFNA7(Accession #P06799) fused with His at the C-Terminus.

**Activity**

**Shipping**
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

**Storage**
Store at -20℃

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

**Contact**

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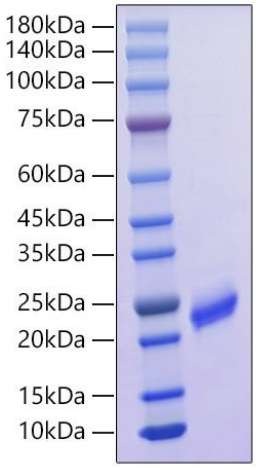
## Validation Data




Recombinant Mouse IFN-alpha 7/IFNA7 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.