

Recombinant Mouse IFN- α 6 Protein

Catalog No.: RP00765

Sequence Information

Species **Gene ID**
Mouse 15969

Swiss Prot **Tags**
Q810G5 C-His

Synonyms

Ifna6, If1ai11, Interferon 1ai11,
Interferon alpha 6

Product Information

Source **Purification**
HEK293 cells $\geq 95\%$ as
determined by
reducing SDS-
PAGE.

Calculated MW **Observed MW**
19.75 kDa 15–25 kDa

Endotoxin

< 0.1 EU/ μ g of the protein by LAL
method.

Formulation

Lyophilized from 0.22 μ m 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 stabilizer
(e.g. 0.1% BSA, 5% HSA, 10% FBS
or 5% Trehalose), and aliquot the
reconstituted protein solution to
minimize free-thaw cycles.

Background

Mature mouse IFNA6 consists of 166 aa and shares 60% aa identity with human IFNA6. The type I IFNs binds 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 IFNA6 displaying the superior efficacy controlling influenza virus infection and disease. Treatment with IFNA6 DNA 2 weeks post-MCMV infection proved effective at inhibiting the development of chronic autoimmune myocarditis. IFNA6 is also able to reduce chronic cardiac inflammation. These findings suggest that immunomodulation of both antiviral and autoimmune responses by IFN DNA immunization may be an avenue for improved viral immunotherapy.

Basic Information

Description

Recombinant Mouse IFN- α 6 Protein is produced by HEK293 cells system. The target protein is expressed with sequence (Cys24–Glu189) of Mouse IFN- α 6 (Accession #NP_996754.1) fused with His tag 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°C

Operational Notes

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

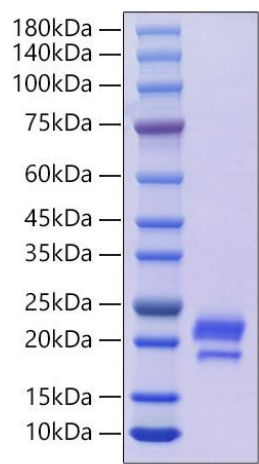
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Validation Data



Recombinant Mouse IFN- α 6 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.