For Research Use Only

Recombinant Mouse IFN-alpha-7/IFNA7 protein (mFc Tag)

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Catalog Number: Eg3764

Basic Information

Species:
Mouse

Purity:
>90 %, SDS-PAGE

Tag:
mFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<0.1 EU/μg protein, LAL method

Source:
HEK293-derived Mouse IFN-alpha-7 protein Cys24-Glu190 (Accession# P06799) with a mouse IgG Fc tag at the C-terminus.

GeneID:
15970

Accession:
P06799

Predicted Molecular Mass:
45.7 kDa

SDS-PAGE:
47-55 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:
It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:
The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

The interferon (IFN) family constitutes an important class of cytokines and is composed of transcriptionally activated and secreted proteins with pleiotropic biological effects on the host. IFNs play a central role in the resistance of mammalian hosts to pathogens, and in the modulation of antiviral and immune responses.The IFN proteins group into two classes: type I (IFN-alpha and-beta) and type II (IFN-gamma), which bind two distinct cell surface receptors, type I and type II IFN receptors, respectively. IFN-alpha-7 belongs to the type I interferon family and produced by macrophages. IFN-alpha-7 have antiviral activities.

References

1.Solis M. et al. (2006). Biochem Pharmacol. 72(11):1469-1476.

Synonyms

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

For technical support and original validation data for this product please contact

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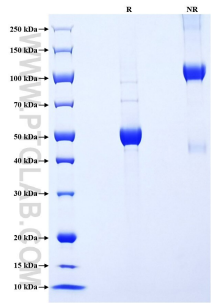
Selected Validation Data



Purity of Recombinant Mouse IFN-alpha-7 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.