

Recombinant Mouse IFN- α 2 Protein

Catalog No.: RP01725

Sequence Information

Species **Gene ID**
Mouse 15965

Swiss Prot **Tags**
P01573 NO-tag

Synonyms

IFNA2, IFN- α A, IFNA, IFNA2B, INF α 2, interferon α -2, Interferon α 2 (IFN- α 2), IFN- α A, IFNA, IFNA2B, INF α 2

Product Information

Source **Purification**
Pichia $\geq 95\%$ as determined by SDS-PAGE.

Calculated MW **Observed MW**
19.33 kDa 20-25 kDa

Endotoxin

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

Formulation

Lyophilized from a 0.22 μ m filtered solution of 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

IFNA2 (Interferon Alpha 2) is a Protein Coding gene. This gene is a member of the alpha interferon gene cluster on chromosome 9. The encoded protein is a cytokine produced in response to viral infection. Type I Interferons (IFNs) are well-known cytokines that exert antiviral activity, antitumor activity, and immunomodulatory effects. Interferon tau (IFNT), a type I IFN similar to alpha IFNs (IFNA), is the pregnancy recognition signal produced by the ruminant conceptus. Among the IFN- α genes, a total of 28 different sequence variants have been described. The three principal subtypes of IFN α -2 are designated α -2a, α -2b, and α -2c. IFN α -2b is being the predominant allele while IFN α -2a is less predominant and IFN α -2c only a minor allelic variant.

Basic Information

Description

Recombinant Mouse IFN- α 2 Protein is produced by *Pichia* expression system. The target protein is expressed with sequence (Cys24-Glu190) of mouse IFN- α 2 (Accession #) fused with no additional amino acid.

Activity

Measured in a cell cytotoxicity assay using TF-1 cells. The ED₅₀ for this effect is 51.80-207.20 ng/mL, corresponding to a specific activity of $4.83 \times 10^3 \sim 1.93 \times 10^4$ units/mg.

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.

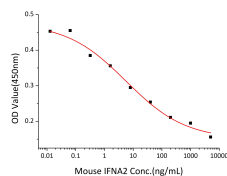
Contact

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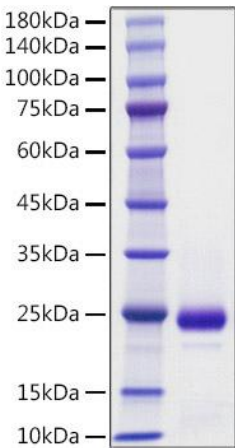
✉ | cn.market@abclonal.com.cn

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Validation Data



Measured in a cell cytotoxicity assay using TF-1 cells. The ED₅₀ for this effect is 4.84-19.36 ng/mL, corresponding to a specific activity of $5.17 \times 10^4 \sim 2.07 \times 10^5$ units /mg.



Recombinant Mouse IFN-alpha 2 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.