

For Research Use Only

Recombinant Human IFNA5 protein (rFc Tag)(HPLC verified)



Catalog Number: Eg4960

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE
>90 %, SEC-HPLC

Tag:
rFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE
>90 %, SEC-HPLC

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

Source:
HEK293-derived Human IFNA5 protein Leu22-Glu189 (Accession# P01569) with a rabbit IgG Fc tag at the N-terminus.

GeneID:
3442

Accession:
P01569

Predicted Molecular Mass:
46.9 kDa

SDS-PAGE:
45-50 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 µm filtered solution in 0.5M arg, 30mM Tris, pH8.0. 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

Interferons (IFN) are a family of cytokines with potent antiviral, antiproliferative and immunomodulatory properties, classified based on their binding specificity to cell surface receptors. The mature human IFNA5, also known as IFN-alpha G, shares 40% aa sequence identity with mouse IFNA5. IFNA5 is the only IFNA subtype detected in normal liver and has been shown to induce stronger signaling and higher expression of antiviral genes than IFNA2 in hepatocytic cells.

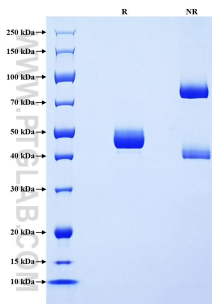
References

1. Pestka S. et al. (1987). Annu. Rev. Biochem. 56:727.
2. Larrea E. et al. (2004). J Interferon Cytokine Res. 24:497.

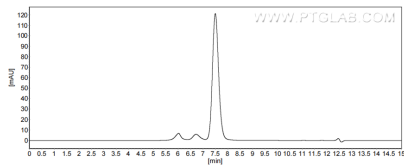
Synonyms

IFN-alpha G, IFN-alpha-5, Interferon alpha-5, Interferon alpha-61, Interferon alpha-G

Selected Validation Data



Purity of Recombinant Human IFNA5 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.



The purity of Human IFNA5 was greater than 90% as determined by SEC-HPLC.