

For Research Use Only

Recombinant Human IFNA21 protein (rFc Tag)(HPLC verified)



Catalog Number: Eg5101

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 IFNA21 protein Cys24-Glu189 (Accession# P01568) with a rabbit IgG Fc tag at the N-terminus.

GeneID:
3452

Accession:
P01568

Predicted Molecular Mass:
45.3 kDa

SDS-PAGE:
45-52 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

Interferons (IFN) are a family of cytokines with potent anti-viral, antiproliferative and immunomodulatory properties, classified based on their binding specificity to cell surface receptors. Individual IFNA subtypes are known to display unique efficacies to viral protection, with IFNA21 displaying intermediate activity inducing interferon stimulating genes.

References

1. Pestka S. et al. (1987). Annu. Rev. Biochem. 56:727.
2. Moll H.P. et al. (2011). Cytokine. 53:52.

Synonyms

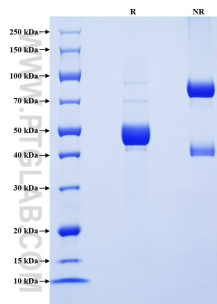
IFN-alpha-21, Interferon alpha-21, Interferon alpha-F, LeIF F

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

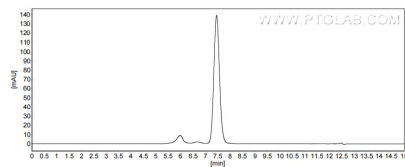
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Selected Validation Data



Purity of Recombinant Human IFNA21 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 IFNA21 was greater than 90% as determined by SEC-HPLC.