

For Research Use Only

Recombinant Human IFNA16 protein (rFc Tag)(HPLC verified)



Catalog Number: Eg5103

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 IFNA16 protein Cys24-Asp189 (Accession# P05015) with a rabbit IgG Fc tag at the N-terminus.

GeneID:
3449

Accession:
P05015

Predicted Molecular Mass:
46.5 kDa

SDS-PAGE:
48-55 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

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. IFNA16 has been shown to be upregulated during chronic HIV infection and might play a role in lipid accumulation and fatty acid deposition in porcine muscle.

References

1. Pestka S. et al. (1987). Annu. Rev. Biochem. 56:727.
2. Lavender K.J. et al. (2016). J. Virol. 90:6001.

Synonyms

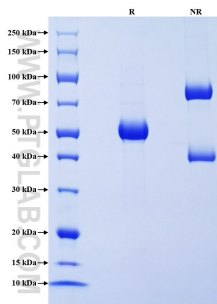
IFN-alpha-16, Interferon alpha-16, Interferon alpha-WA

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

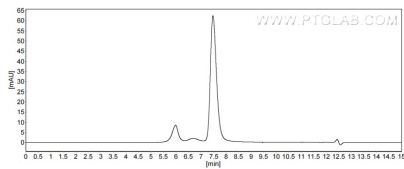
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Selected Validation Data



Purity of Recombinant Human IFNA16 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 IFNA16 was greater than 90% as determined by SEC-HPLC.