

For Research Use Only

Recombinant Mouse Interferon alpha 13 protein (rFc Tag) (HPLC verified)



Catalog Number: Eg4647

Basic Information

Species:
Mouse

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 Mouse Interferon alpha 13 protein Cys24-Glu189 (Accession# Q80SU4) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
230396

Accession:
Q80SU4

Predicted Molecular Mass:
45.3 kDa

SDS-PAGE:
45-55 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

Interferon alpha 13 is predicted to enable cytokine activity and type I interferon receptor binding activity and is predicted to be involved in several processes, including B cell activation; lymphocyte activation involved in immune response; and positive regulation of peptidyl-serine phosphorylation of STAT protein.

References

- 1.Lande R, et al. (1999) Ann N Y Acad Sci. 1183: 89-103.
- 2.Colonna M, et al. (2004) Nat Immunol. 5: 1219-1226.
- 3.Poeck H, et al. (2004) Blood. 103: 3058-3064.
- 4.Ablasser A, et al. (2009) J Immunol. 182: 6824-6833.
- 5.Liu C, et al. (2008) J Clin Invest. 118: 1165-1175.

Synonyms

Ifna13, IFN-alpha-13, Interferon alpha-13

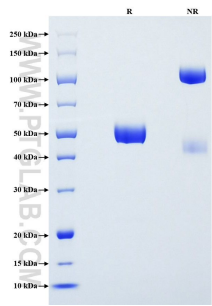
For technical support and original validation data for this product please contact

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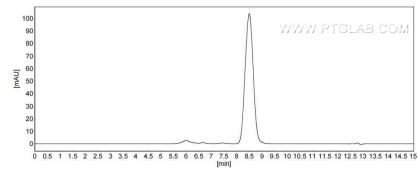
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Purity of Recombinant Mouse Interferon alpha 13 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 Mouse Interferon alpha 13 was greater than 90% as determined by SEC-HPLC.