

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<br> >90 %, SEC-HPLC

**Tag:**  
rFc Tag

## Technical Specifications

**Purity:**  
>90 %, SDS-PAGE<br> >90 %, SEC-HPLC

**Endotoxin Level:**  
<0.1 EU/  $\mu$ g 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  $\mu$ m 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.

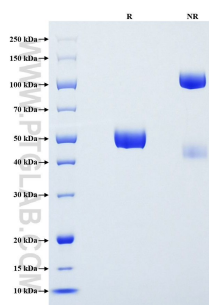
## References

- 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.

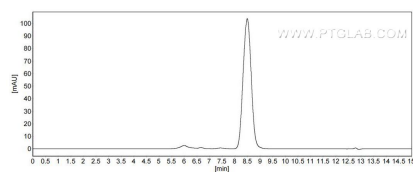
## Synonyms

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

## 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.