

For Research Use Only

# Recombinant Human IL-13 protein (mFc Tag)



Catalog Number: Eg1492

## Basic Information

**Species:**  
Human

**Purity:**  
>90 %, SDS-PAGE

**Tag:**  
mFc Tag

## Technical Specifications

**Purity:**

>90 %, SDS-PAGE

**Endotoxin Level:**

<0.1 EU/  $\mu$ g protein, LAL method

**Source:**

HEK293-derived Human IL-13 protein Gly21-Asn132 (Accession# AAK53823) with a mouse IgG Fc tag at the C-terminus.

**GeneID:**

3596

**Accession:**

AAK53823

**Predicted Molecular Mass:**

39.0 kDa

**SDS-PAGE:**

40-60 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

IL-13 is a cytokine secreted by T helper type 2 (Th2) cells, CD4 cells, natural killer T cell, mast cells, basophils, eosinophils and neutrophils. Interleukin-13 is a central regulator in IgE synthesis, goblet cell hyperplasia, mucus hypersecretion, airway hyperresponsiveness, fibrosis and chitinase up-regulation. It is a mediator of allergic inflammation and different diseases including asthma. IL-13 has effects on immune cells that are similar to those of the closely related cytokine IL-4.

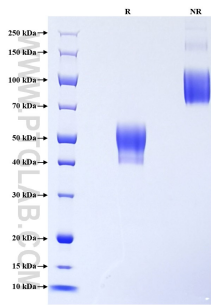
## References

1. Wynn TA. et al.(2003). Annu Rev Immunol. 21: 425-56.
2. Izuhara K. et al. (2006). Curr Med Chem. 13: 2291-8.
3. Corren J. et al. (2015). Curr Allergy Asthma Rep. 13: 415-20.
4. O'Reilly S. et al. (2013). Biofactors. 39: 593-6.

## Synonyms

IL13, IL-13, IL 13, interleukin 13, Interleukin-13

## Selected Validation Data



Purity of Recombinant Human IL-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.

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

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