

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/μg 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 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

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

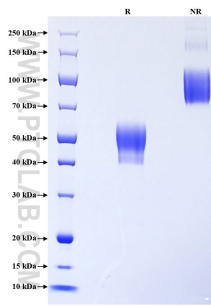
For technical support and original validation data for this product please contact

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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.