

Recombinant Human IL-13Ra1 protein (rFc Tag)

Catalog Number: Eg2320

Basic Information

Species:
Human**Purity:**
>90 %, SDS-PAGE**Tag:**
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ µg protein, LAL method

Source:

HEK293-derived Human IL-13Ra1 protein Gly22-Thr343 (Accession# P78552-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

3597

Accession:

P78552-1

Predicted Molecular Mass:

63.2 kDa

SDS-PAGE:

68-90 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 an immunoregulatory cytokine secreted predominantly by activated T-helper 2 (Th2) cells and performs multiple functions through a complex receptor system comprised of IL-4R α and two IL-13 binding proteins, IL-13R α 1 and IL-13R α 2 (PMID: 12704343). IL-13R α 1 is expressed on a wide range of cells including B cells, monocytes, macrophages, basophils, mast cells, and endothelial cells (PMID: 10856136; 31866859). IL-13 binding to the IL-4R α /IL-13R α 1 complex leads to activation of JAK1, JAK2, and TYK2 and subsequent phosphorylation of STAT6 and STAT3 (PMID: 31866859).

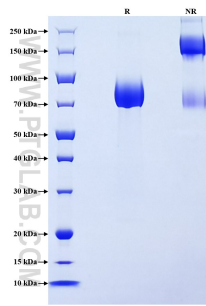
References

1. Hershey GK. et al. (2003). J Allergy Clin Immunol. 111(4):677-691.
2. Jiang H. et al. (2000). J Allergy Clin Immunol. 105(6 Pt 1):1063-1070.
3. Marone G. et al. (2019). Front Pharmacol. 10:1387.

Synonyms

IL13RA1, Cancer/testis antigen 19, CD213A1, CT19, IL 13 receptor subunit alpha 1

Selected Validation Data



Purity of Recombinant Human IL-13Ra1 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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