

For Research Use Only

Recombinant Human IL-5RA protein (rFc Tag)



Catalog Number: Eg1665

Basic Information

ED50:
/

GeneID:
3568

Species:
Human

Accession:
Q01344-1

Purity:
>90 %, SDS-PAGE

Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<1.0 EU/ μ g protein, LAL method

Source:
HEK293-derived Human IL-5RA protein Asp21-Glu335 (Accession# Q01344-1) with a rabbit IgG Fc tag at the C-terminus.

Predicted Molecular Mass:
65.1 kDa

SDS-PAGE:
65-85 kDa, reducing (R) condition

Formulation:
Lyophilized from sterile 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-5RA, also known as the interleukin-5 receptor subunit alpha (CD125), is a crucial component of the interleukin-5 receptor complex, which plays a significant role in immune responses. IL-5RA is a specific subunit of a heterodimeric cytokine receptor that, along with the signal transducing beta subunit (IL-5RB), forms the complete IL-5 receptor complex. IL-5RA is primarily expressed on the surface of eosinophils and is responsible for the proliferation, differentiation, and activation of these cells. It is a key regulator in allergic reactions and asthma (PMID: 21986312; 28913336; 18511250).

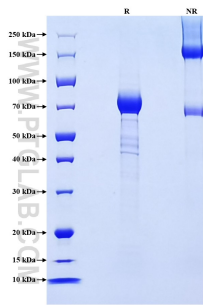
References

1. Takatsu K. et al. (2011). Proc Jpn Acad Ser B Phys Biol Sci. 87(8):463-485.
2. Bagnasco D. et al. (2017). Front Med (Lausanne). 4:135.
3. Takatsu K. et al. (2008). Curr Opin Immunol. 20(3):288-294.

Synonyms

IL5RA,CD125,HSIL5R3,IL 5 receptor subunit alpha,IL

Selected Validation Data



Purity of Recombinant Human IL-5RA 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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