

For Research Use Only

Recombinant Mouse IL-5RA/CD125 protein (hFc Tag)



Catalog Number: Eg0810

Basic Information

Species:
Mouse

Purity:
>90 %, SDS-PAGE

Tag:
hFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/μg protein, LAL method

Source:

HEK293-derived Mouse IL-5RA protein Asp18-His339 (Accession# P21183) with a human IgG1 Fc tag at the C-terminus.

GeneID:

16192

Accession:

P21183

Predicted Molecular Mass:

63.5 kDa

SDS-PAGE:

65-75 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-5RA, also known as CD125, is a crucial component of the interleukin-5 receptor complex, which plays a significant role in the immune system, particularly in the regulation of eosinophil activity. Eosinophils are a type of white blood cell that are primarily involved in the body's response to parasitic infections and are also significantly implicated in allergic reactions and asthma. The interaction between interleukin-5 (IL-5) and its receptor IL-5RA is vital for the survival, activation, and differentiation of eosinophils.

References

1. Takaki S, et al. (1994). Mol Cell Biol. 14 (11):7404-13.
2. Barry SC, et al. (1991) Cytokine. 3(4):339-44.
3. Lawrence MG, et al. (2022) Ann Allergy Asthma Immunol. 128 (1):53-60.e3.

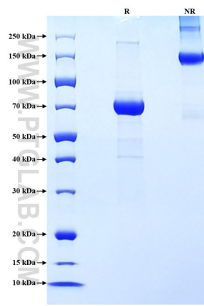
Synonyms

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

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Selected Validation Data



Purity of Recombinant Mouse 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.