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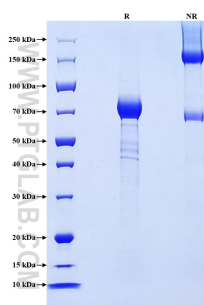
Recombinant Human IL-5RA/CD125protein (rFc Tag)



Catalog Number: Eg1665

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	<p>Purity: >90 %, SDS-PAGE</p> <p>Endotoxin Level: <0.1 EU/ µg protein, LAL method</p> <p>Source: HEK293-derived Human IL-5RA protein Asp21-Glu335 (Accession# Q01344-1) with a rabbit IgG Fc tag at the C-terminus.</p> <p>GeneID: 3568</p> <p>Accession: Q01344-1</p> <p>Predicted Molecular Mass: 62.1 kDa</p> <p>SDS-PAGE: 65-85 kDa, reducing (R) conditions</p> <p>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.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p>Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none">• Until expiry date, -20°C to -80°C as lyophilized proteins.• 3 months, -20°C to -80°C under sterile conditions after reconstitution. <p>Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	<p>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).</p>		
References	<ol style="list-style-type: none">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 5R alpha		

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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