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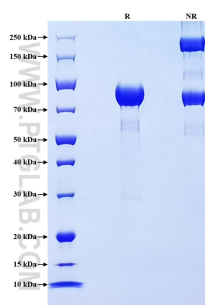
Recombinant Human IL-3RB/CD131 protein (rFc Tag)



Catalog Number: Eg1662

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-3RB protein Trp17-Trp443 (Accession# P32927-1) with a rabbit IgG Fc tag at the C-terminus.</p> <p>GeneID: 1439</p> <p>Accession: P32927-1</p> <p>Predicted Molecular Mass: 75.0 kDa</p> <p>SDS-PAGE: 75-100 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>CSF2RB, also known as CD131, IL3RB, IL5RB, SMDP5, and CDw131, is a gene in humans that encodes the beta chain of the receptor for granulocyte-macrophage colony-stimulating factor (GM-CSF), as well as IL-3 and IL-5. The protein is a transmembrane receptor that plays a role in immune response and controls the production and differentiation of hematopoietic progenitor cells into lineage-restricted cells. In unstimulated conditions, CSF2RB interacts constitutively with JAK1, and ligand binding leads to JAK1 stimulation and subsequent activation of the JAK-STAT pathway (PMID: 1495999; 9516124).</p>		
References	<ol style="list-style-type: none">1. Tavernier J. et al. (1992). Proc Natl Acad Sci U S A. 89(15):7041-7045.2. Ogata N. et al. (1998). Blood. 91(7):2264-2271.		
Synonyms	CSF2RB, CD131, CDw131, GM-CSF/IL-3/IL-5 receptor common beta subunit, IL3RB		

Selected Validation Data



Purity of Recombinant Human IL-3RB 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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