

For Research Use Only

Recombinant Human CSF2RB protein (rFc Tag)



Catalog Number: Eg1662

Basic Information

ED50:
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GeneID:
1439

Species:
Human

Accession:
P32927-1

Purity:
>90 %, SDS-PAGE

Technical Specifications

Purity:
>90 %, SDS-PAGE

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

Source:
HEK293-derived Human CSF2RB protein Trp17-Trp443 (Accession# P32927-1) with a rabbit IgG Fc tag at the C-terminus.

Predicted Molecular Mass:
77.9 kDa

SDS-PAGE:
75-100 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

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).

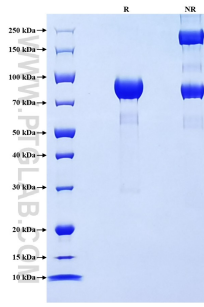
References

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 comm

Selected Validation Data



Purity of Recombinant Human CSF2RB 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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