

# Recombinant Human IL-10RB protein (rFc Tag) (HPLC verified)

Catalog Number: Eg3446

## Basic Information

**Species:**  
Human

**Purity:**  
>90 %, SDS-PAGE  
>90 %, SEC-HPLC

**Tag:**  
rFc Tag

## Technical Specifications

**Purity:**  
>90 %, SDS-PAGE  
>90 %, SEC-HPLC

**Endotoxin Level:**  
<0.1 EU/ µg protein, LAL method

**Source:**  
HEK293-derived Human IL-10RB protein Met20-Ser220 (Accession# Q08334) with a rabbit IgG Fc tag at the C-terminus.

**GeneID:**  
3588

**Accession:**  
Q08334

**Predicted Molecular Mass:**  
49.8 kDa

**SDS-PAGE:**  
60-80 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

Interleukin-10 (IL-10) is an anti-inflammatory cytokine that plays a critical role in maintaining immune system balance. IL-10 signals through a receptor complex consisting of two molecules of the IL-10R alpha-chain (IL-10RA) and two molecules of the accessory IL-10R beta-chain (IL-10RB). IL-10RA and IL-10RB are members of the type II cytokine receptor family. IL-10RB, also known as IL-10R2 or CDw210b, is the signaling subunit of the IL-10R complex and is constitutively expressed in a variety of cell types. Binding of IL-10 to the IL-10R complex leads to JAK1- and TYK2-mediated phosphorylation of STAT3. IL-10RB is also shared by several other cytokines, including IL22, IL-26, IFN-γ, IL-28A/B and IL29.

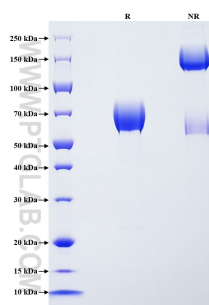
## References

1. Glocker EO, et al. (2011). Ann N Y Acad Sci. 1246:102-7.
2. Shouval DS, et al. (2014). Adv Immunol. 122:177-210.
3. Moore KW, et al. (2001). Annu Rev Immunol. 19:683-765.
4. Donnelly RP, et al. (1999). J Interferon Cytokine Res. 19(6):563-73.
5. Glocker EO, et al. (2011). Ann N Y Acad Sci. 1246:102-7.

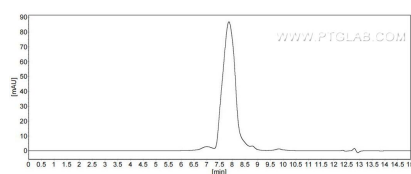
## Synonyms

IL10RB, CDW210B, CRF2 4, CRF2-4, CRFB4

## Selected Validation Data



Purity of Recombinant Human IL-10RB 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.



The purity of Human IL-10RB was greater than 90% as determined by SEC-HPLC.

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

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