# Human IL10RB / IL-10RB (His & Fc Tag) recombinant protein

Catalog Number: 500728



## **General Information**

### **Gene Name Synonym**

Cytokine receptor class-II member 4; Cytokine receptor family 2 member 4; Interleukin-10 receptor subunit 2

## **Protein Construction**

DNA sequence encoding the extracellular domain (Met 1-Ser 220) of human IL10R? (NP\_000619.3) was fused with the C-terminal polyhistidinetagged Fc region of human IgG1 at the C-terminus.

# **Organism**

Human

## **Expression Host**

**Human Cells** 

# **QC Testing**

## **Activity**

Measured by its binding ability in a functional ELISA. Immobilized human IL28B at 20  $\mu$ g/ml (100  $\mu$ l/well) can bind human IL10RB-Fc with a linear ranger of 3.125-25  $\mu$ g/ml.

## **Purity**

> 92 % as determined by SDS-PAGE

#### **Endotoxin**

 $< 1.0 \; \text{EU}$  per  $\mu g$  of the protein as determined by the LAL method

#### **Stability**

Samples are stable for up to twelve months from date of receipt at -70°C

## Predicted N terminal

Met 20

#### Molecular Mass

The recombinant human IL10R?/Fc is a disulfide-linked homodimer. The reduced monomer consists of 449 amino acids and has a predicted molecular mass of 51.7 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhIL10R?/Fc monomer is approximately 75-85 kDa due to glycosylation.

## **Formulation**

Lyophilized from sterile PBS, pH 7.4

- 1. 5 % trehalose and mannitol are added as protectants before lyophilization.
- 2. Please contact us for any concerns or special requirements.

# **Usage Guide**

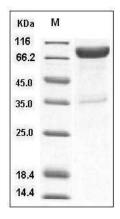
## **Storage**

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

## Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

#### **SDS-PAGE**



Human IL10Rb Protein (His & Fc Tag) SDS-PAGE