

# Human CD131/CSF2RB/IL3RB/IL5RB (His Tag) recombinant protein



Catalog Number: 501994

## General Information

### Gene Name Synonym

CDw131; GM-CSF/IL-3/IL-5 receptor common beta subunit

### Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Trp 443) of human CSF2RB (NP\_000386.1) expressed, fused with a polyhistidine-tag at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA.

1. Immobilized human CD131 at 10 µg/ml (100 µl/well) can bind biotinylated human EPOR/Fc with a linear range of 0.16-4 µg/ml.

2. Immobilized human CD131 at 10 µg/ml (100 µl/well) can bind human GMCSF with a linear range of 0.032-4 µg/ml.

### Purity

> 97 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg 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

Trp 17

## Molecular Mass

The recombinant human CSF2RB consists of 438 amino acids and has a predicted molecular mass of 50 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh CSF2RB is approximately 50-55 kDa.

## 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

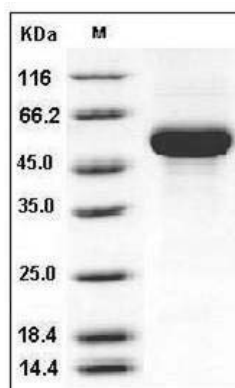
### Storage

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



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(His Tag) SDS-PAGE