

# Human IL-1R2/CD121b (His Tag) recombinant protein



Catalog Number: 503877

## General Information

### Gene Name Synonym

CD121 antigen-like family member B; CDw121b; IL-1 type II receptor; Interleukin-1 receptor beta; Interleukin-1 receptor type II; Interleukin-1 receptor type 2, membrane form; Interleukin-1 receptor type 2, soluble form

### Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Glu 343) of human IL1R2 (NP\_004624.1) was expressed, with a fused C-terminal polyhistidine tag.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to inhibit IL1 $\beta$  dependent proliferation in D10.G4.1 mouse helper T cells. The ED<sub>50</sub> for this effect is typically 5.5  $\mu$ g/mL in the presence of 40 pg/mL of rhIL1 $\beta$ .

### Purity

> 98 % as determined by SDS-PAGE

### Endotoxin

< 1.0 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

Phe 14

### Molecular Mass

The recombinant human IL1R2 consists of 342 amino acids and has a predicted molecular mass of 39.3 kDa. As a result of glycosylation, the rh IL1R2 migrates as an approximately 50-55 kDa band in SDS-PAGE under reducing conditions.

### 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

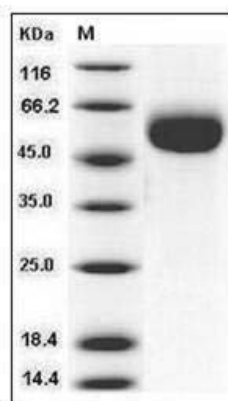
### Storage

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 IL1R2 / IL1RB / CD121b Protein (His Tag) SDS-PAGE