

# Human IL-1R1/CD121a (His Tag) recombinant protein



Catalog Number: 503942

## General Information

### Gene Name Synonym

CD121 antigen-like family member A; Interleukin-1 receptor alpha; Interleukin-1 receptor type I; p80; Interleukin-1 receptor type 1, membrane form; Interleukin-1 receptor type 1, soluble form

### Protein Construction

A DNA sequence encoding the extracellular domain of human IL1R1 (NP\_000868.1) (Met 1-Thr 332) was expressed with a fused polyhistidine tag at C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to bind human IL1-beta in a functional ELISA.

### 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

Leu 18

### Molecular Mass

The soluble form of recombinant human IL1R1 consists of 327 amino acids after removal of the signal peptide and has a predicted molecular mass of 37.7 kDa. In SDS-PAGE under reducing conditions, it migrates with an apparent molecular mass of 55-60 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

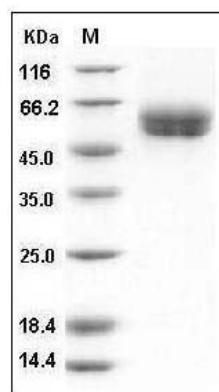
### Storage

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 IL1R1 / CD121a Protein (His Tag) SDS-PAGE