

# Human IL-1RAcP/IL-1R3 (His & Fc Tag) recombinant protein



Catalog Number: 503271

## General Information

### Gene Name Synonym

Interleukin-1 receptor 3

### Protein Construction

A DNA sequence encoding the human IL1R3 (NP\_002173.1) extracellular domain (Met 1-Glu 359) was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

1. Measured by its ability to bind with biotinylated human IL1R2-His (Cat:503877) in a functional ELISA.
2. Immobilized human IL1R3-Fch at 10 µg/mL (100ul/well) can bind biotinylated human IL1B-His (Cat:501519). The EC<sub>50</sub> of biotinylated human IL1B-His (Cat:501519) is 0.11-0.25 µg/mL.

### Purity

> 95 % 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

Ser 21

### Molecular Mass

The recombinant human IL1R3/Fc is a disulfide-linked homodimer. The reduced monomer consists of 586 amino acids and has a predicted molecular mass of 67.3 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh IL1R3/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

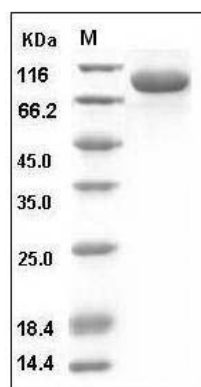
### Storage

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



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SDS-PAGE