

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



Catalog Number: 503271

## 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

## 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.

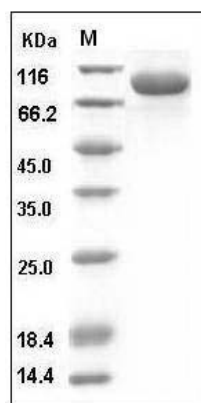
## Storage

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 IL-1RAcP / IL-1R3 Protein (His & Fc Tag)  
SDS-PAGE