

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



Catalog Number: 504237

## General Information

### Gene Name Synonym

Interleukin 1 receptor, type I, isoform CRA\_a;  
Interleukin-1 receptor type 1

### Protein Construction

A DNA sequence encoding the rat IL1R1 (NP\_037255.3) extracellular domain (Met 1-Lys 352) was expressed, fused with a polyhistidine tag at the C-terminus.

### Organism

Rat

### Expression Host

Human Cells

## QC Testing

### Activity

Immobilized rat IL1R1-His at 10 µg/ml (100 µl/well) can bind rat Fc-IL1RN (Cat:502306). The EC<sub>50</sub> of rat Fc-IL1RN (Cat:502306) is 5.1-11.9 ng/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

Leu 34

### Molecular Mass

The recombinant rat IL1R1 comprises 330 amino acids and predicts a molecular mass of 38.5 kDa. The apparent molecular mass of the rat IL1R1 is approximately 50-60 kDa in SDS-PAGE under reducing conditions 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

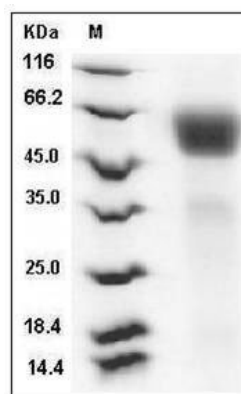
### Storage

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



Rat IL1R1 / CD121a Protein (His Tag) SDS-PAGE