

## General Information

### Gene Name Synonym

IL1 inhibitor

### Protein Construction

A DNA sequence encoding the rat IL1RN (P25086) (His27-Gln178) was expressed, fused with Fc region of human IgG1 at the N-terminus.

### Organism

Rat

### Expression Host

Human Cells

## QC Testing

### Activity

Immobilized rat IL1R1-His (Cat:504237) at 10 µg/ml (100 µl/well) can bind rat Fc-IL1RN, The EC<sub>50</sub> of rat Fc-IL1RN is 5.1-11.9 ng/ml.

### Purity

> 85 % 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

Glu

## Molecular Mass

The recombinant rat IL1RN comprises 412 amino acids and predicts a molecular mass of 45.8 kDa. The apparent molecular mass of the recombinant protein is approximately 47 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

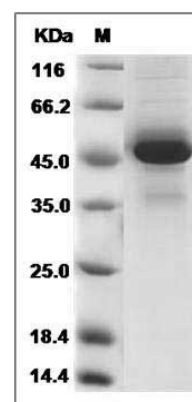
### Storage

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 IL-1RA / IL1RN Protein (Fc Tag) SDS-PAGE