

# Cynomolgus IL-1R1/CD121a (Fc Tag) recombinant protein



Catalog Number: 502152

## General Information

### Protein Construction

A DNA sequence encoding the cynomolgus IL1R1 (G7NAT4) (Met1-Thr332) was expressed with the Fc region of human IgG1 at the C-terminus.

### Organism

Cynomolgus

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA. Immobilized human IL1RA (Cat:504137) at 10 µg/ml (100 µl/well) can bind Cynomolgus IL1R1-Fc, The EC<sub>50</sub> of Cynomolgus IL1R1-Fc is 0.04-0.08 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

Asp 21

### Molecular Mass

The recombinant cynomolgus IL1R1 is a disulfide-linked homodimer. The reduced monomer comprises 553 amino acids and has a calculated molecular mass of 62.9 KDa. The apparent molecular mass of the protein is approximately 73-93 KDa respectively in SDS-PAGE.

### 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

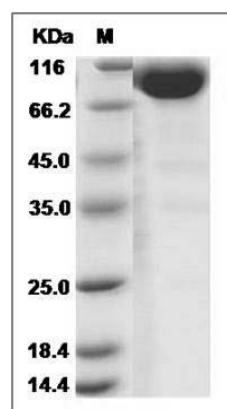
### Storage

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



Cynomolgus IL1R1 Protein (Fc Tag) SDS-PAGE