

## General Information

### Protein Construction

A DNA sequence encoding the mature form of Cynomolgus (*Macaca fascicularis*) IL1B (Ala 117-Ser 269) was expressed and purified, with an initial Met.

### Organism

Cynomolgus

### Expression Host

*E. coli*

## QC Testing

### Activity

Measured in a cell proliferation assay using D10.G4.1 mouse helper T cells.  
The ED<sub>50</sub> for this effect is typically 3-15 pg/mL.

### Purity

> 97 % as determined by SDS-PAGE

### Endotoxin

Please contact us for more information.

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Met 1

### Molecular Mass

The recombinant Cynomolgus IL1B consists of 154 amino acids and has a calculated molecular mass of 17.5 kDa. It migrates as an approximately 18 kDa band in SDS-PAGE under reducing conditions.

### 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

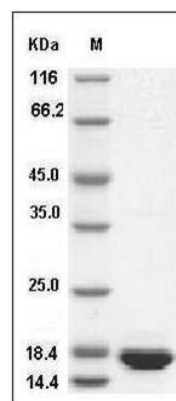
### Storage

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 IL-1 beta / IL1B Protein SDS-PAGE