

## General Information

### Protein Construction

A DNA sequence encoding the mature form of rat IL1B (Q63264-1) (Val 117-Ser 268) was expressed and purified.

### Organism

Rat

### 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 30-120 pg/mL.

### Purity

> 98 % 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

### Molecular Mass

The mature form of recombinant rat IL1B

comprises 153 amino acids and predicts a molecular mass of 17.4 kDa. The apparent molecular mass of the protein is approximately 35 kDa in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile 40mM Tris, 0.15 M NaCl, pH 7.8

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

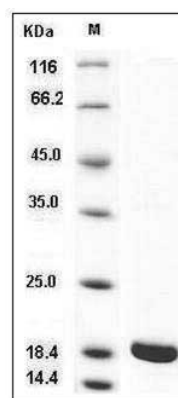
### Storage

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-1 beta / IL1B Protein (mature form) SDS-PAGE