

Mouse IL-1 beta recombinant protein



Catalog Number: 502137

General Information

Protein Construction

A DNA sequence encoding the mature form of mouse IL1 β (P10749) (Val 118-Ser 269) was expressed, with an initial Met at the C-terminus.

Organism

Mouse

Expression Host

E. coli

QC Testing

Activity

1. Measured in a cell proliferation assay using D10.G4.1 mouse helper T cells. The ED₅₀ for this effect is typically 2-10 pg/mL.
2. Measured by its ability to bind human IL1R1 in a functional ELISA.
3. Measured by its ability to bind mouse IL1R1 in a functional ELISA.

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

Molecular Mass

The recombinant mouse IL1 β consists of 153 amino acids and has a predicted molecular mass of 17.5 kDa. It migrates as an approximately 19 kDa band in SDS-PAGE under reducing conditions as predicted.

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

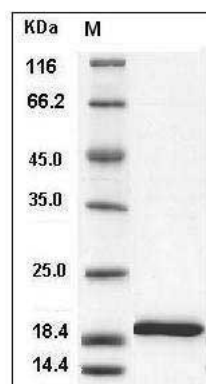
Storage

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



Mouse IL-1 beta / IL1B Protein SDS-PAGE