

Mouse IL-1 alpha / IL-1F1 / IL1A recombinant protein



Catalog Number: 501499

General Information

Protein Construction

A DNA sequence encoding the mature form of mouse IL1A (NP_034684.2) (Ser 115-Ser 270) 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 binding ability in a functional ELISA.
3. Immobilized mouse IL1A at 10 µg/mL (100 µl/well) can bind mouse IL1R1, The EC₅₀ of mouse IL1R1 is 0.13 µg/mL.

Purity

> 92 % 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 IL1A consists of 157 amino acids and migrates as an approximately 18 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

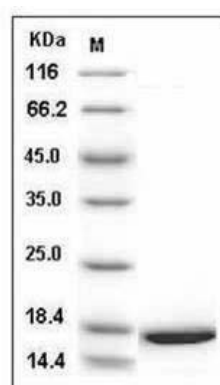
Storage

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



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