Human IL-1 beta (pro form, His Tag) recombinant protein

Catalog Number: 501519



General Information

Gene Name Synonym

Catabolin

Protein Construction

A DNA sequence encoding the pro form of human IL1? (NP_000567.1) (Met 1-Ser 269) was fused with a polyhistidine tag at the N-terminus.

Organism

Human

Expression Host

E. coli

QC Testing

Activity

- 1. Measured by its binding ability in a functional ELISA
- 2. Immobilized human IL1B at 10 μ g/mL (100 μ l/well) can bind human IL1R1. The EC₅₀ of human IL1R1 is 0.198 μ g/mL.

Purity

> 95 % 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 pro form of human IL1? consisting of 280 amino acids and has a calculated molecular mass of 32.3 kDa. It migrates as an approximately 34 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

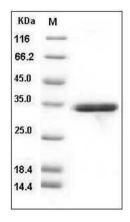
Storage

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



Human IL-1 beta / IL1B Protein (pro form, His Tag) SDS-PAGE