

# Rat IL 1 beta Recombinant Protein



RPPB0461

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## Product Information    Protein Information

**Product SKU:**

RPPB0461

**Accession:**

Q63264

**Host:**

Escherichia Coli.

**Protein description:**

Interleukin-1b Rat Recombinant produced in E.Coli is a non-glycosylated, Polypeptide chain containing 153 amino acids and having a molecular mass of 17.3 kDa. The IL-1b is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

Catabolin, Lymphocyte-activating factor (LAF), Endogenous Pyrogen (EP), Leukocyte Endogenous Mediator (LEM), Mononuclear Cell Factor (MCF), IL1F2, IL-1 beta.

**Formulation:**

The protein was lyophilized from 0.2um filtered concentrated solution in PBS, pH 7.4.

**Purity:**

Greater than 97.0% as determined by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized Interleukin 1b in sterile 18MΩ-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

Lyophilized Interleukin-1b although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL1b should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Amino Acid Sequence:**

MVPIRQLHCRLRDEQQKCLVLSDPCELKALHLNGQNISQQVVFMSFVQGETSNDKIPVALGLKGLNLYLSCVMK  
DGTPTLQLESVDPKQYPKKMEKRFVFNKIEVKTKVEFESAQFPNWIYSTSQAHRPVFLGNSNGRDIVDFTEPVS  
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**Biological Activity:**

The ED<sub>50</sub> was found to be less than 0.1ng/ml, determined by the dose dependent proliferation of mouse D10S cells, corresponding to a specific activity of 10,000,000 units/mg.