

# Monkey IL 1 beta Recombinant Protein



RPPB0462

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## Product Information    Protein Information

**Product SKU:**

RPPB0462

**Accession:**

P48090

**Host:**

Escherichia Coli.

**Protein description:**

Interleukin-1 beta Monkey 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 with 1x PBS pH-7.4

**Purity:**

Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized IL1B in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

Lyophilized IL1B 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:**

APVRS LHCTL RDAQLKSLVM SGPYELKALH LQGQDLEQQV VFSMSFVQGE ESNKIPVAL GLKAKNLYLS  
CVLKDDKPTL QLESVDPKNY PKKKMEKRFV FNKIEINNKL EFESAQFPNW YISTSQAENM PVFLGGTRGG  
QDITDFTMQF VSS.

**Biological Activity:**

The ED50 as determined by the dose-dependant stimulation of D10.G4.1 mouse helper T cells is typically 3-10pg/mL.