

# Human IL 1 beta Recombinant Protein



RPPB0457

---

## Product Information    Protein Information

**Product SKU:**

RPPB0457

**Accession:**

P01584

**Host:**

HEK.

**Protein description:**

Interleukin-1 beta Human Recombinant produced in HEK cells is a glycosylated monomer, having a molecular weight range of 18-25kDa due to glycosylation. The IL-1 beta 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 IL-1 beta was lyophilized from 1mg/ml in 1xPBS.

**Purity:**

Greater than 95% as observed by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized IL-1b in sterile PBS containing 0.1% endotoxin-free recombinant HSA.

**Stability:**

Lyophilized IL-1 beta although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL-1 beta 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:**

APVRSLNCTLRDSQQKSLVMSGPYELKALHLQGQDMEQQVVFMSFVQGEESNDKIPVALGLKEKNLYLSCVLKD  
DKPTLQLESVDPKNYPKKKMEKRFVFNKIEINNKLFEFSAQFPNWWYISTSQAENMPVFLGGTKGGQDITDFTMQFV  
SS.

**Biological Activity:**

The specific activity was determined by the dose-dependent stimulation of the proliferation of mouse D10S cells and is typically 0.02-0.08ng/ml.