

# Equine IL 1 beta Recombinant Protein



RPPB0464

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## Product Information    Protein Information

**Product SKU:**

RPPB0464

**Accession:**

Q28386

**Host:**

Escherichia Coli.

**Protein description:**

Recombinant IL 1 beta Equine produced in E.coli cells is a non-glycosylated, homodimeric protein containing 153 amino acid chain and having a molecular mass of 17.3kDa. 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 a 0.2µm filtered concentrated solution in PBS pH 7.4, containing 0.1 % Tween-80.

**Purity:**

Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized IL 1 beta in sterile distilled H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**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:**

AAMHSVNCRL RDIYHKSLVL SGACELQAVH LNGENTNQV VFCMSFVQGE EETDKIPVAL GLKEKNLYLS  
CGMKDGKPTL QLETVPNTY PKRKMEKRFV FNKMEIKGNV EFESAMYPNW YISTSQAEKS PVFLGNTRGG  
RDITDFIMEI TSA

**Biological Activity:**

The ED50 as determined by a cell proliferation assay using murine D10S cells is less than 20 pg/ml, corresponding to a specific activity of > 5.0 × 10<sup>7</sup> IU/mg.