

# Rat IL 3 Recombinant Protein



RPPB0500

---

## Product Information   Protein Information

**Product SKU:**

RPPB0500

**Accession:**

P04823

**Host:**

Escherichia Coli.

**Protein description:**

Interleukin-3 Rat Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 144 amino acids and having a molecular mass of 16.3kDa. The IL-3 is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

MCGF (Mast cell growth factor), Multi-CSF, HCGF, P-cell stimulation factor, IL-3, MGC79398, MGC79399.

**Formulation:**

Interleukin-3 Rat was lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.

**Purity:**

Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized Interleukin 3 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-3 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL3 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:**

MISDRGSDAH HLLRTLDCRT IALEILVKLP YPQVSGLNNS DDKANLRNST LRRVNLDEFL KSQEEFDSQD  
TTDIKSKLQK LKCCIPAAAS DSVLPGVYNK DLDDFKKKLR FYVIHLKDLQ PVSVSRPPQP TSSSDNFRPM TVEC.

**Biological Activity:**

The ED<sub>50</sub> as determined by the dose-dependent stimulation of the proliferation of thymidine uptake by murine MC-9 cells is < 10 ng/ml, corresponding to a specific activity of > 1.0 x 10<sup>5</sup> units/mg.