

# Mouse IL 7 Recombinant Protein



RPPB0543

## Product Information Protein Information

**Product SKU:**

RPPB0543

**Accession:**

P10168

**Host:**

Escherichia Coli.

**Protein description:**

Interleukin-7 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 129 amino acids and having a molecular mass of 14.9kDa.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

Lymphopoietin 1 (LP-1), pre-B cell factor, IL-7.

**Formulation:**

Filtered (0.2µm) and lyophilized from a concentrated (1mg/ml) solution in 1×PBS, pH7.4 and 2% trehalose.

**Purity:**

Greater than 96.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized Interleukin 7 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-7 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL7 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:**

ECHIKDKEGK AYESVLMISI DELDKMTGTD SNCPNNEPNF FRKHVCDDTK EAAFLNRAAR KLKQFLKMNI  
SEEFNVHLLT VSQGTQTLVN CTSKEEKNVK EQKNDACFL KRLLREIKTC WNKILKGS.

**Biological Activity:**

The ED<sub>50</sub> was determined by the dose-dependent stimulation of the proliferation of murine 2E8 cells is less than 0.2 ng/ml, corresponding to a specific activity of >5.0×10<sup>6</sup> IU/mg.