

# Human IL 15 Recombinant Protein



RPPB0584

---

## Product Information    Protein Information

**Product SKU:**

RPPB0584

**Accession:**

P40933

**Host:**

Escherichia Coli.

**Protein description:**

Interleukin-15 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 114 amino acids and having a molecular mass of 12.9kDa. The IL-15 is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

IL-15, MGC9721.

**Formulation:**

The protein was lyophilized from PBS pH 7.4.

**Purity:**

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

**Solubility:**

It is recommended to reconstitute the lyophilized Interleukin-15 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-15 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL15 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:**

MNWWNVISDL KKIEDLIQSM HIDATLYTES DVHPSCKVTA MKCFLELQV ISLESGDASI HDTVENLIL  
ANNSLSSNGN VTESGCKECE ELEEKNIKEF LQSFVHIVQM FINTS.

**Biological Activity:**

The ED<sub>50</sub> as determined by the dose-dependant stimulation of the proliferation of mouse CTLL-2 was found to be < 0.5 ng/ml, corresponding to a Specific Activity of 2 x 10<sup>6</sup> IU/mg.