

# Mouse IL 2 Recombinant Protein



RPPB0482

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## Product Information    Protein Information

**Product SKU:**

RPPB0482

**Accession:**

P04351

**Host:**

Escherichia Coli.

**Protein description:**

Interleukin-2 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 148 amino acids and having a molecular mass of 17.2kDa. The IL-2 is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

Interleukin-2, T-cell growth factor (TCGF), Lymphokine, IL-2.

**Formulation:**

Lyophilized from a 0.2µm filtered concentrated solution (1mg/ml) in 20mM 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 Mouse IL-2 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-2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL2 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:**

PTSSSTSSST AEAQQQQQQ QQQQHLEQL LMDLQELLSR MENYRNKLP RMLTFKFYLP KQATELKDLDQ  
CLEDELGPLR HVLDLTQSKS FQLEDAENFI SNIRVTVKL KGSDNTFECQ FDDESATVVD FLRRWIAFCQ  
SIISTSPQ.

**Biological Activity:**

The ED<sub>50</sub> as determined by the dose-dependant stimulation of murine CTLL-2 cells is less than 0.2ng/ml corresponding to a Specific Activity of 5x10<sup>6</sup> IU/mg.