

Human IL 2 Recombinant Protein



RPPB0479

Product Information Protein Information

Product SKU:

RPPB0479

Accession:

P60568

Host:

Escherichia Coli.

Protein description:

Interleukin-2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 133 amino acids and having a molecular mass of 15.4kDa. The IL-2 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

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

Formulation:

The protein was lyophilized from a 0.2µm filtered concentrated solution (1.0mg/ml) in PBS, pH 5.0.

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-2 in sterile distilled water 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:

APTSSSTKK TQLQLEHLLL DLQMILNGIN NYKNPKLTRM LTFKFYMPKK ATELKHLQCL EEELKPLEEV
LNLAQSKNFH LRPRDLISNI NVIVLELKGS ETTFMCEYAD ETATIVEFLN RWITFCQSII STLT.

Biological Activity:

The ED50 as determined by the dose-dependent stimulation of murine CTLL-2 cells is less than 0.1 ng/ml, corresponding to a Specific Activity of 1x10⁷IU/mg.