

Rat IL 7 Recombinant Protein



RPPB0544

Product Information Protein Information

Product SKU:

RPPB0544

Accession:

P56478

Host:

Escherichia Coli.

Protein description:

IL 7 Rat Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 129 amino acids and having a molecular mass of 15.0kDa. The IL 7 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

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

Formulation:

Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.

Purity:

Greater than 98.0% as determined by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized IL-7 in sterile 18M-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized IL-7 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL-7 should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

Amino Acid Sequence:

DCHIKDKDGK AFGSVLMISI NQLDKMTGTD SDCPNNEPNF FKKHLCDDTK EAAFLNRAAR KLRQFLKMNI
SEEFNDHLLR VSDGTQTLVN CTSKEEKTIK EQKKNPCFL KRLLEIKTC WNKILKGS

Biological Activity:

The ED₅₀ was determined by the dose-dependent stimulation of the proliferation of murine 2E8 cells is less than 0.2ng/ml, corresponding to a specific activity of >5,000,000IU/mg.