

Rat IL 15 Recombinant Protein



RPPB0589

Product Information Protein Information

Product SKU:

RPPB0589

Accession:

P97604

Host:

Escherichia Coli.

Protein description:

Interleukin-15 Rat Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 115 amino acids and having a molecular mass of 13533 Dalton. 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 10mM Tris, pH-8.5.

Purity:

Greater than 98.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized Interleukin-15 in sterile 18MΩ-cm H₂O 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:

The sequence of the first five N-terminal amino acids was determined and was found to be Met-Asn-Trp-Ile-Asp.

Biological Activity:

The ED₅₀ as determined by the dose-dependant stimulation of the proliferation of CTLL-2 was found to be < 10 ng/ml, corresponding to a Specific Activity of 100,000IU/mg.