

Human IL 2 Recombinant Protein



RPPB0489

Product Information Protein Information

Product SKU:

RPPB0489

Accession:

P60568

Host:

Pichia pastoris.

Protein description:

Interleukin-2 Human Recombinant produced in yeast is a single, glycosylated polypeptide chain containing 134 amino acids and having a molecular mass of 14 kDa. 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), Aldesleukin, Lymphokine, IL-2.

Formulation:

The protein was lyophilized from a 0.2µm filtered solution in 20mM sodium phosphate buffer pH 7.0 in absence of any carrier protein.

Purity:

Greater than 98% as determined by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized Interleukin-2 in sterile 18M-cm H₂O 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 -18C. Upon reconstitution Interleukin-2 should be stored at 4C between 2-7 days and for future use below -18C. Please prevent freeze-thaw cycles.

Amino Acid Sequence:

A P T S S T K K T Q L Q L E H L L L D L Q M I L N G I N N Y K N P K L T R M L T F K F Y M P K K A T E L K
H L Q C L E E E L K P L E E V L N L A Q S K N F H L R P R D L I S N I N V I V L E L K G S E T T F M C E Y A D
E T A T I V E F L N R W I T F C Q S I I S T L T.

Biological Activity:

The biological activity is determined by the dose dependent proliferation of mouse CTLL-2 cells. Optimal concentration for individual application should be determined by a dose response assay. ED50 range = 0.08–0.5ng/ml