

Porcine IL 2 Recombinant Protein



RPPB0484

Product Information Protein Information

Product SKU:

RPPB0484

Accession:

P26891

Host:

Escherichia Coli.

Protein description:

Interleukin2 Porcine Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 134 amino acids and having a molecular mass of 15217 Dalton. The IL-2 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

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

Formulation:

The protein (1mg/ml) was lyophilized was lyophilized from a 0.2µm filtered concentrated solution in 1×PBS, pH 7.4.

Purity:

Greater than 96.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized IL 2 in sterile distilled H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized IL2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL-2 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:

APTSSSTKNT KKQLEPLLD LQLLKEVKN YENADLSRML TFKFYMPKQA TELKHLQCLV EELKALEGVL
NLGQSKNSDS ANIKESMNNI NVTVLELKGS ETSFKCEYDD ETVTAVEFLN KWITFCQSIY STLT.

Biological Activity:

The ED50 as determined by a cell proliferation assay using murine CTLL-2 cells is less than 0.5ng/ml, corresponding to a specific activity of > 2.0 × 10⁶ IU/mg.