

Interleukin-2 Rat Recombinant

| | |
|--|--|
| Item Number | rAP-0573 |
| Synonyms | T-cell growth factor (TCGF), Aldesleukin, Lymphokine, IL-2. |
| Description | Interleukin-2 Rat Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 134 amino acids and having a molecular mass of 17kDa. The IL-2 is purified by proprietary chromatographic techniques. |
| Uniprot Accesion Number | P17108 |
| Amino Acid Sequence | The sequence of the first five N-terminal amino acids was determined and was found to be Met-Ala-Pro-Thr-Ser. |
| Source | Escherichia Coli. |
| Physical Appearance and Stability | Sterile Filtered White lyophilized (freeze-dried) powder. 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. |
| Formulation and Purity | The protein (1mg/ml) was lyophilized without any additives. Greater than 95.0% as determined by SDS-PAGE. |
| Application | |
| Solubility | It is recommended to reconstitute the lyophilized Interleukin 2 in sterile 100mM AcOH not less than 100µg/ml, which can then be further diluted to other aqueous solutions. |
| Biological Activity | The ED50 as determined by the dose-dependant stimulation of murine CTLL-2 cells is 0.1-0.4 ng/ml corresponding to a specific activity of 2,500,000-10,000,000 units/mg. |
| Shipping Format and Condition | Lyophilized powder at room temperature. |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**