

Interleukin-2 Equine Recombinant

Item Number	rAP-0649
Synonyms	Interleukin-2, IL-2, T-cell growth factor, TCGF, IL2.
Description	Recombinant Equine Interleukin-2 produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 129 amino acids (with a substitution of S for C - at position 141 compared with the wild type IL2) and having a molecular mass of 14.9kDa. The IL-2 Equine is purified by proprietary chromatographic tech-
Uniprot Accession Number	P37997
Amino Acid Sequence	APTSSSKRET QQQLQLQMD LKLLLEGVNN NKNPKLSKML TFKINMPKKA TELKHLQCLE EELKPLEEML KNFLSKDIKE LMSNINVTVL GLKGSETRFT CEYDDETGTI VEFLNKWITF SQSIFSTMT.
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	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 6.0. Greater than 97.0% as determined by SDS-PAGE and HPLC analyses.
Application	
Solubility	It is recommended to reconstitute the lyophilized IL2 in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED50 as determined by a cell proliferation assay using murine CTLL-2 cells is less than 1.0 µg/ml, corresponding to a specific activity of > 1000 IU/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 ender users! This product is sold for **Research Use Only**