

Interleukin-2 Human Recombinant, Yeast

Item Number	rAP-0661
Synonyms	Interleukin-2, T-cell growth factor (TCGF), Aldesleukin, Lymphokine, IL-2.
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.
Uniprot Accesion Number	P60568
Amino Acid Sequence	APTSSSTKKTQLQLEHLLLDLQMILNGINNYKNPKLTRMLTFKFYMPKKAT ELKHLQCLEEEELKPLEEVNLNAQSKNFHLRPRDLISNINVIVLELKGSETTF MCEYADETATIVEFLNRWITFCQSIISTLT.
Source	Pichia pastoris.
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 -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.
Formulation and Purity	The protein was lyophilized from a 0.2µm filtered solution in 20mM sodium phosphate buffer pH 7.0 in absence of any carrier protein. Greater than 98% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Interleukin-2 in sterile 18M-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
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
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**