


Human IL-2 Protein, His tag (Animal-Free)

Cat #: PRP1086

Size: 20 µg/100 µg/500 µg/1 mg

Product Information

	Product Name: Human IL-2 Protein, His tag (Animal-Free)		
REF	Catalog Number: PRP1086	LOT	Lot Number: Refer to product label
	Purity: > 98 % as determined by SDS-PAGE		
	Storage: Store at -20°C		Preparation method: E.coli
	Shipping: The product is shipped at ambient temperature.		

Background: Human IL-2 is also known as T cell growth factor (TCRF). A wide range of bioactive cytokines produced primarily by activated CD4+T cells and CD8+T cells. It is a growth factor of all T cell subsets, which can make T cells survive in vitro for a long time and promote the proliferation of activated B cells. Therefore, it is an important factor in the regulation of immune response, and also involved in antibody response, hematopoietic and tumor surveillance.

Sequence: Amino acid sequence derived from Human IL-2 (Ala21-Thr153) (P60568) was expressed with 6×His tag at the C-terminus.

Protein length: The recombinant Human IL-2 Protein consists of 133 amino acids and predicts a molecular mass of 16.4 kDa.

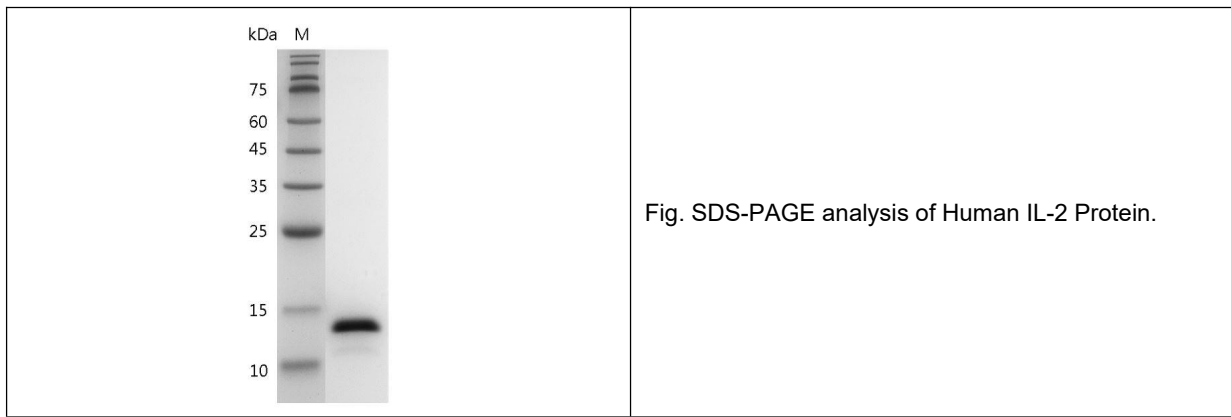
Biological Activity: Measured by its ability to induce proliferation in CTLL-2 cells. The ED₅₀ for this effect is <3 ng/mL.

Endotoxin: <0.01 EU per µg of the protein as determined by the LAL method.

Formulation: Lyophilized from sterile PBS, pH 8.0.

Storage Instructions: Lyophilized protein product should be stored desiccated below -18°C. Upon reconstitution, the protein 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 (5% HSA, 10%FBS or 0.1%BSA). Please prevent freeze-thaw cycles.

Usage notes: Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized recombinant protein to a concentration of 0.1-1 mg/mL using the buffer we provided, and keep at room temperature for at least 20 min to fully dissolve. Please avoid vortex vigorously.



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