


Human LIF Protein, His tag (Animal-Free)

Cat #: PRP1099

Size: 5 µg/20 µg/100 µg/1 mg

Product Information

	Product Name: Human LIF Protein, His tag (Animal-Free)		
REF	Catalog Number: PRP1099	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: Leukemia inhibitory factor (LIF) is a pleiotropic glycoprotein, belonging to the IL-6 receptor family. LIF is high expression in human liver, bone, uterus, kidney and the central nervous system. LIF is an inducer of differentiation in M1 leukemia cells, osteoblasts and glia. Not only stimulates proliferation of DA1 cells inhibits proliferation of corticotrophs and promote cell survival in some cell types but also induce apoptosis in others.

Sequence: Amino acid sequence derived from Human LIF (Ser24-Phe220) (P15018) was expressed with 6×His tag at the N-terminus.

Protein length: The recombinant Human LIF Protein consists of 197 amino acids and predicts a molecular mass of 19.6 kDa.

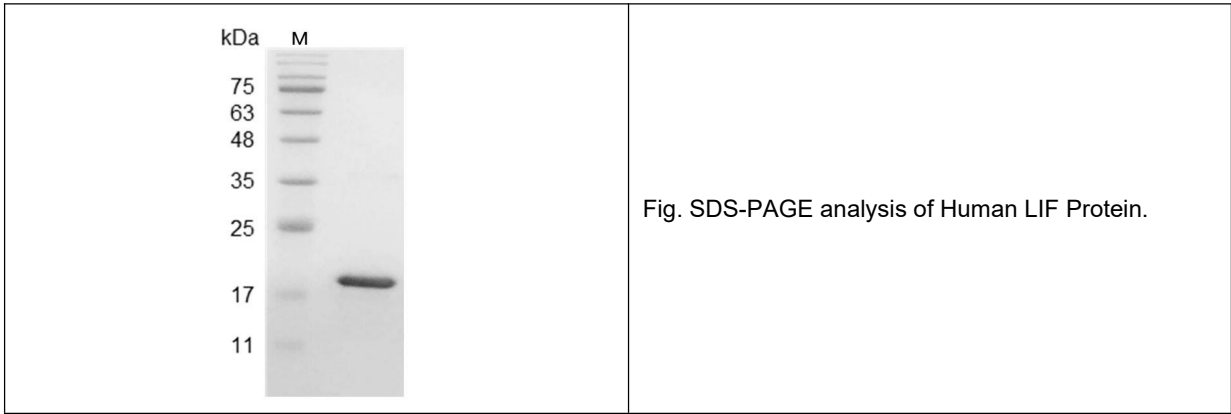
Biological Activity: Measured by its ability to induce TF-1 cells proliferation. The ED₅₀ for this effect is <0.2 ng/mL

Endotoxin: <0.1 EU per µg of the protein as determined by the LAL method.

Formulation: Lyophilized from sterile PBS, pH 7.4.

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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