


Mouse LIF protein, C-His tag

Cat #: PRP1126

Size: 5 µg /20 µg/100 µg/1 mg

Product Information

	Product Name: Mouse LIF protein, C-His tag		
REF	Catalog Number: PRP1126	LOT	Lot Number: Refer to product label
	Purity: >98% as determined by SDS-PAGE		
	Storage: Store at -20°C		Preparation method: <i>E.Coli</i>
	Shipping: The product is shipped at ambient temperature.		

Background: Leukemia inhibitory factor (LIF) is a 20 kD protein that belongs to the IL-6 receptor family, is a pleiotropic factor produced by multiple cell types, including T cells, myelomonocytic lineages, fibroblasts, liver, heart and melanoma. LIF has the capacity to induce terminal differentiation in leukemic cells. Its activities include the induction of hematopoietic differentiation in normal and myeloid leukemia cells, the induction of neuronal cell differentiation, and the stimulation of acute-phase protein synthesis in hepatocytes.

Sequence: Amino acid sequence derived from Mouse LIF protein (P09056) (Ser23-Phe202) was expressed, was expressed with a polyhistidine tag at the C-terminus.

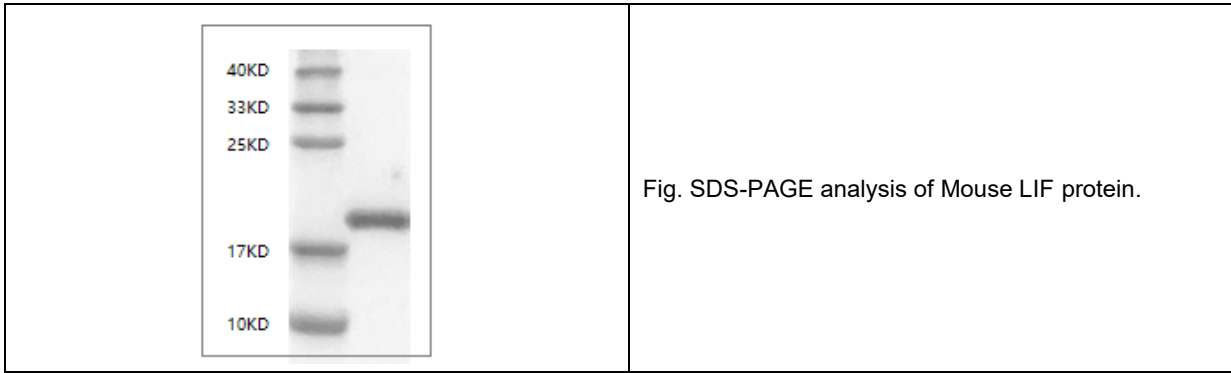
Protein length: The recombinant Mouse LIF protein consists of 186 amino acids and has a predicted molecular mass of 20.5 kD.

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

Formulation: Lyophilized from sterile PBS, pH 7.4.

Storage Instructions: Lyophilized Mouse LIF 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 (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage notes: Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized Mouse LIF protein using the buffer we provided not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.



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