

Active Recombinant Human LIF protein

Cat. No. LIF-6754H Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human LIF protein(P15018-1)(Ser23-Phe202) is expressed from HEK293 without tag.
Species	Human
Source	HEK293
ProteinLength	23-202 aa
Form	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
Bio-activity	Immobilized Human LIF at 2µg/ml (100µl/Well) on the plate. Dose response curve for Human LIF R, hFc Tag with the EC50 of 0.10µg/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 19.7 kDa. Due to glycosylation, the protein migrates to 40-55 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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Reconstitution Dissolve the lyophilized protein in distilled water.

GENE INFORMATION

Gene Name [LIF leukemia inhibitory factor \[Homo sapiens \]](#)

Official Symbol [LIF](#)

Synonyms

LIF; leukemia inhibitory factor; CDF; cholinergic differentiation factor; DIA; differentiation inhibitory activity; differentiation inducing factor; hepatocyte stimulating factor III; HILDA; human interleukin in DA cells; D factor; melanoma-derived LPL inhibitor; differentiation-inducing factor; hepatocyte-stimulating factor III; differentiation-stimulating factor; MLPLI;

Gene ID [3976](#)

mRNA Refseq [NM_001257135](#)

Protein Refseq [NP_001244064](#)

MIM [159540](#)

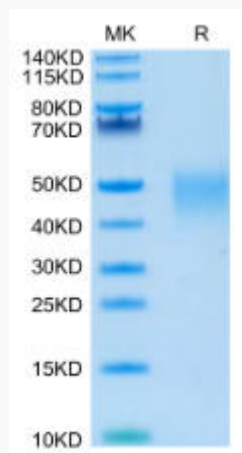
UniProt ID [P15018](#)

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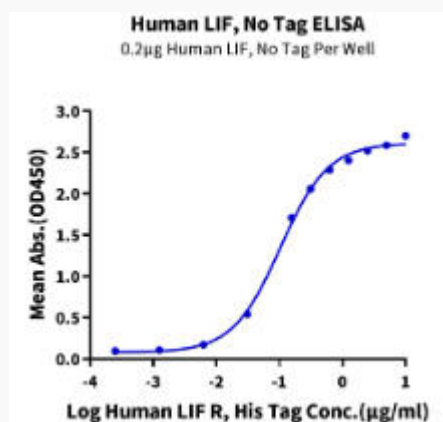
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Bis-Tris PAGE



ELISA Data



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