

Active Recombinant Human LIF protein(Met1-Phe202)

Cat. No. LIF-0330H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human LIF (P15018-1) (Met1-Phe202) was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Met1-Phe202
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to inhibit the proliferation of M1 mouse myeloid leukemia cells. The ED50 for this effect is typically 0.2-0.8 ng/mL.
Molecular Mass	The recombinant human LIF comprises 180 amino acids and has a predicted molecular mass of 19.7 kDa. The apparent molecular mass of the protein is approximately 35.4 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein

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be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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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