

## Active Recombinant Human LIF protein, His-tagged

Cat. No. LIF-2031H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human LIF protein(Ser 23 - Phe 202), fused with His tag, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	23-202 a.a.
<b>Form</b>	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
<b>Bio-activity</b>	Immobilized Human LIF, His Tag at 5 µg/mL (100 µL/well) can bind Human LIF R, Fc Tag with a linear range of 1-20 ng/mL.
<b>Molecular Mass</b>	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 21.6 kDa. The protein migrates as 40-50 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
<b>Proteinlength</b>	Ser23-Phe202
<b>Endotoxin</b>	Less than 1.0 EU per µg by the LAL method.
<b>Purity</b>	>95% as determined by reduced SDS-PAGE.

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**Storage** For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

**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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