

RP00478

Leader in Biomolecular Solutions for Life Science



# Recombinant Human LIF/Leukemia inhibitory factor Protein

Catalog No.: RP00478

Recombinant

## Sequence Information

Species	Gene ID	Swiss Prot
Human	3976	P15018

### Tags

No tag

### Synonyms

LIF;CDF;DIA;HILDA;MLPLI

## Background

Leukemia Inhibitory Factor (LIF) is a lymphoid factor that promotes long-term maintenance of embryonic stem cells by suppressing spontaneous differentiation. LIF has a number of other activities including cholinergic neuron differentiation, control of stem cell pluripotency, bone and fat metabolism, mitogenesis of certain factor dependent cell lines and promotion of megakaryocyte production in vivo. Human and murine mature LIF exhibit a 78% sequence identity at the amino acid level. Human LIF is equally active on human and mouse cells. Murine LIF is approximately 1000 fold less active on human cells than human LIF.

## Basic Information

### Description

Recombinant Human LIF/Leukemia inhibitory factor Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Ser23-Phe202) of human LIF/Leukemia inhibitory factor (Accession #P15018) fused with an initial Met at the N-terminus.

### Bio-Activity

### Storage

Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

## Product Information

### Source

*E. coli*

### Purification

> 95% by SDS-PAGE.

### Endotoxin

< 1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, 0.02% Tween 20, pH 7.4. Contact us for customized product form or formulation.

### Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

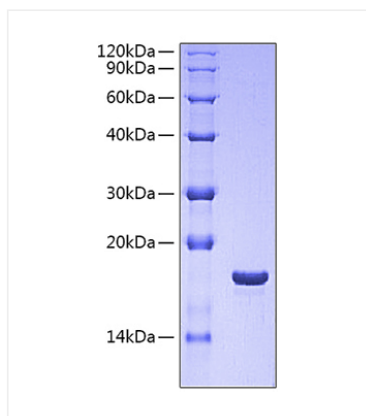
## Contact



[www.abclonal.com](http://www.abclonal.com)

## Validation Data

---



Recombinant Human LIF/Leukemia inhibitory factor Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.