# Human LIF recombinant protein

Catalog Number: 504261

## General Information

### Gene Name Synonym

Differentiation-stimulating factor; Melanoma-derived LPL inhibitor

### Protein Construction

A DNA sequence encoding the human LIF (P15018) (Met1-Phe202) was expressed.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to inhibit the proliferation of M1 mouse myeloid leukemia cells.
The $ED_{50}$ for this effect is typically 0.2-0.8 ng/mL.

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70℃

### Predicted N terminal

Ser 23

### 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.

### Formulation

Lyophilized from sterile PBS, pH 7.4.
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

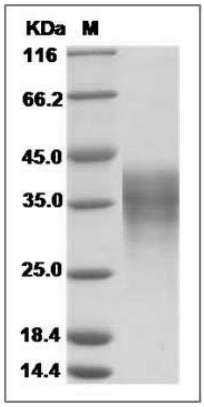
### Storage

Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE




Human LIF Protein SDS-PAGE