

# Mouse LIF recombinant protein



Catalog Number: 504899

## General Information

### Gene Name Synonym:

### Protein Construction:

A DNA sequence encoding the mouse LIF (NP\_032527.1) (Met1-Phe203) was expressed and purified.

**Source:** Mouse

**Expression Host:** Human Cells

## QC Testing

### Activity:

Measured by its ability to inhibit the proliferation of M1 mouse myeloid leukemia cells. The ED<sub>50</sub> for this effect is typically 0.1-0.5 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°C

### Predicted N terminal:

Ser 24

### Molecular Mass:

The recombinant mouse LIF consists of 180 amino acids and predicts a molecular mass of 19.9 kDa. It migrates as approximately 34.1 kDa band 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

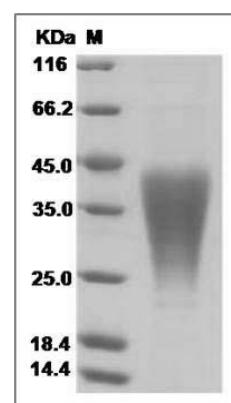
### Storage:

Store it under sterile conditions at -20°C to -80°C. 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:



Mouse LIF Protein SDS-PAGE