

Recombinant Human LIF

Catalog # EPT153

Expression Host E.coli

DESCRIPTION Recombinant Human Leukemia Inhibitory Factor is

produced by our E.coli expression system and the

target gene encoding Ser23-Phe202 is expressed.

Accession P15018

Synonyms Leukemia Inhibitory Factor; LIF;

Differentiation-Stimulating Factor; D Factor;

Melanoma-Derived LPL Inhibitor; MLPLI; Emfilermin;

LIF; HILDA

Mol Mass 19.7 KDa

AP Mol Mass 18 KDa, reducing conditions

Purity Greater than 95% as determined by reducing

SDS-PAGE.

Endotoxin Less than 0.001 ng/μg (0.01 EU/μg) as determined by

LAL test.

FORMULATION Lyophilized from a 0.2 µm filtered solution of PBS, pH

7.4.



www.elkbiotech.com



RECONSTITUTION

Always centrifuge tubes before opening.Do not mix by vortex or pipetting.

It is not recommended to reconstitute to a concentration less than 100µg/ml.

Dissolve the lyophilized protein in distilled water.

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SHIPPING

The product is shipped at ambient temperature.

Upon receipt, store it immediately at the temperature listed below.

STORAGE

Lyophilized protein should be stored at < -20 $^{\circ}$ C, though stable at room temperature for 3 weeks.

Reconstituted protein solution can be stored at 4-7°C for 2-7 days.

Aliquots of reconstituted samples are stable at < -20° C for 3 months.

BACKGROUND

+86-27-59760950

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

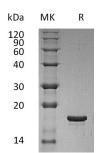


ELKbio@ELKbiotech.com

www.elkbiotech.com



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.



SDS-PAGE

