

Recombinant Human LIF, His tagged

Cat. No. LIF-419H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human LIF (P15018) (Met1-Phe202), fused with a C-terminal polyhistidine tag, was produced in Human Cells.
Species	Human
Source	Human Cells
ProteinLength	1-202 a.a.
Predicted N Terminal	Ser 23
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization.
Molecular Mass	The recombinant human LIF comprises 191 amino acids and has a predicted molecular mass of 21.2 kDa. The apparent molecular mass of the protein is approximately 35-42 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 eu per µg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70oC.
Storage	Store it under sterile conditions at -20oC~-70oC. It is recommended that the protein

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be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution. 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

Gene ID 3976

mRNA Refseq NM_001257135

Protein Refseq NP_001244064

MIM 159540

UniProt ID P15018

Chromosome Location 22q12.2

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