

Active Recombinant Mouse Lif protein

Cat. No. Lif-521M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Lif protein(NP_032527.1)(Met1-Phe203) was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Phe203
Form	Lyophilized from sterile PBS, pH 7.4. Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	Measured by its ability to inhibit the proliferation of M1 mouse myeloid leukemia cells. The ED50 for this effect is typically 0.1-0.5 ng/mL.
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.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE

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Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C
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 It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name Lif leukemia inhibitory factor [*Mus musculus*]

Official Symbol Lif

Synonyms LIF; leukemia inhibitory factor; d factor; differentiation-stimulating factor;

Gene ID 16878

mRNA Refseq NM_001039537

Protein Refseq NP_001034626

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