

Active Recombinant Mouse Lif protein, His-tagged

Cat. No. Lif-757M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Lif protein(P09056)(Met1-Phe203), fused with His tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	1-203 a.a.
Form	Lyophilized from sterile PBS, pH 7.4Please 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 secreted recombinant mouse LIF comprises 191 amino acids and has a calculated molecular mass of 21.3 kDa. As a result of glycosylation, the apparent molecular mass of the monomer is approximately 35-45 kDa in SDS-PAGE under reducing conditions.
Proteinlength	Met1-Phe203
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method

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Purity	> 85 % as determined by SDS-PAGE
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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