

Catalog Number: 230-30044

Recombinant Mouse Leukemia Inhibitory Factor (LIF)**Source**

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|-------------------------|--|
| Species | Mouse |
| Accession Number | P09056 |
| Gene Symbol | LIF |
| Gene ID | 16878 |
| Expressed Region | Ser24-Phe203 |
| Synonyms | Leukemia inhibitory factor, LIF, Differentiation-stimulating factor, D factor. |

Preparation

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|-----------------------------|---|
| Expression System | Human Embryonic Kidney 293 Cells |
| Tag | N-terminal histidine tag |
| Purification | His-tag affinity purification by immobilized metal ion affinity chromatography (IMAC) |
| Purity | >95% |
| Purity Determined By | SDS-PAGE under reducing conditions and visualized by Coomassie blue staining |
| Molecular Weight | Recombinant protein has a calculated molecular weight of about 22 kDa. Due to the abundant glycosylation, it migrates as approximately 25-45 kDa protein bands in SDS-PAGE under DTT, beta-mercaptoethanol reducing conditions. |

Protein Specifications

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|---------------------------------|---|
| Format | Liquid |
| Formulation | Filtered solution in PBS |
| Concentration | Lot specific (see the label on the vial), determined by Pierce BCA protein assay kit. |
| Preservative | None |
| Endotoxin Level | Not determined |
| Recommended Applications | Functional Assay, Protein-protein Interaction, Post-translational Modifications, ELISA, EIA, Western Blotting, Dot Blotting, Immunoprecipitation, Protein Array, etc. |

SDS-PAGE Image

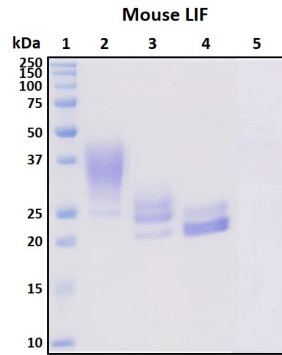


Figure 1. Deglycosylation of purified recombinant proteins. Purified proteins were untreated (Lane 2) or treated with protein deglycosylation enzymes under native (Lane 3) or reducing (Lane 4) conditions. Deglycosylation treatment resulted in a mobility shift of the protein to produce one major band at the expected size, thus indicating that the untreated recombinant protein (Lane 2) was glycosylated.

Lane 1: Protein standard ladder (kDa).

Lane 2: Untreated protein under reducing conditions.

Lane 3: Treated protein with deglycosylation enzymes under native conditions.

Lane 4: Treated protein with deglycosylation enzymes under reducing conditions.

Lane 5: Deglycosylation mixture only without target proteins.

Shipping

Ice packs

Storage/Stability

Upon arrival, the protein may be stored for 2 weeks at 4 °C. For long term storage, it is recommended to store at -20 °C or -80 °C in appropriate aliquots. Avoid repeated freeze-thaw cycles.

This product is furnished for LABORATORY RESEARCH USE ONLY.

Not for diagnostic or therapeutic use.