

LIF, murine recombinant protein
Leukemia Inhibitory Factor
Catalog # PBV10490r**Specification**

LIF, murine recombinant protein - Product info

Primary Accession [Q3U1H5](#)
Calculated MW **20.0 kDa** KDa

LIF, murine recombinant protein - Additional Info

Gene ID **16878**
Gene Symbol **LIF**

Other Names

Leukemia Inhibitory Factor, Differentiation-stimulating factor, D factor, Melanoma-derived LPL inhibitor, INN=Emfilermin

| | |
|----------------|--|
| Gene Source | Mouse |
| Source | E. coli |
| Assay&Purity | SDS-PAGE; ≥95% |
| Assay2&Purity2 | HPLC; ≥95% |
| Recombinant | Yes |
| Sequence | MSPLPITPVNATCAIRHPCHGNLMNQIKNQLAQ LNGSANALFISYYTAQGEPFPNNVEKLCAPNMT DFPSFHGNGTEKTKLVELYRMVAYLSASLTNIT RDQKVLNPTAVSLQVKLNATIDVMRGLLSNVLC RLCNKYRVGHVDVPPVPDHS DKEAFQR KKLGCQLLGTYKQVISVVVQAF |

Application Notes

Centrifuge the vial prior to opening. Reconstitute in sterile H₂O to a concentration ≥ 100 µg/ml. This solution can then be diluted into other aqueous buffers.

Format

Lyophilized protein

Storage

-20°C; Lyophilized from sterile solution containing 20 mM phosphate buffer, pH 7.4 and 0.02% Tween-20

LIF, murine recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)

- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

LIF, murine recombinant protein - Images**LIF, murine recombinant protein - Background**

Leukemia Inhibitory Factor also called LIF is a lymphoid factor that promotes long-term maintenance of embryonic stem cells by suppressing spontaneous differentiation. Leukemia Inhibitory Factor has several functions such as cholinergic neuron differentiation, control of stem cell pluripotency, bone & fat metabolism, mitogenesis of factor dependent cell lines & promotion of megakaryocyte production in vivo. Human and mouse LIF exhibit a 78% identity in its amino acid sequence. Leukemia Inhibitory Factor (LIF) Murine Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 181 amino acids and having a molecular mass of 20 kDa. The Leukemia Inhibitory Factor (LIF) is purified by proprietary chromatographic techniques.