# LIF/Leukemia inhibitory factor



**Catalog Number:**E21-690

**Amount:**10ug

**Alternname:**Leukemia inhibitory factor;Differentiation-stimulating factor;lif;D factor

**Storage/Stability:**Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.

Reconstituted protein solution can be stored at 4-7°C for 2-7 days.

Aliquots of reconstituted samples are stable at < -20°C for 3 months.

**Background:**Mouse Leukemia inhibitory factor（lif）is a secreted protein which belongs to the LIF/OSM family.LIF has been implicated in a many physiological processes including development, hematopoiesis, bone metabolism, and inflammation. it has the capacity to induce terminal differentiation in leukemic cells. Its activities include the induction of hematopoietic differentiation in normal and myeloid leukemia cells, the induction of neuronal cell differentiation, and the stimulation of acute-phase protein synthesis in hepatocytes.

**Species:**Mouse

**Reconstitution:**Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

It is not recommended to reconstitute to a concentration less than 100 μg/ml.

Dissolve the lyophilized protein in ddH2O.

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin:**Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

**Purity:**Greater than 95% as determined by reducing SDS-PAGE.

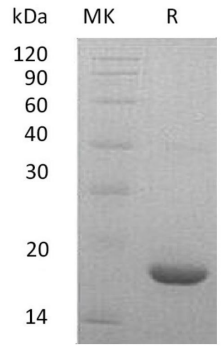
**Description:**Recombinant Mouse Leukemia Inhibitory Factor is produced by our E.coli expression system and the target gene encoding Ser24-Phe203 is expressed.

**Product State:**Lyophilized

**Ship Description:**The product is shipped at ambient temperature.

**Formulation:**Lyophilized from a 0.2 μm filtered solution of 20mM PB,150mM NaCl,pH7.4.

**Expression system:**E.coli




Greater than 95% as determined by reducing SDS-PAGE. (QC verified)

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