

Recombinant Mouse LIF

Catalog No : PMK2178

Known As: Leukemia inhibitory factor; Differentiation-stimulating factor; lif; D factor

PROPERTIES

Description	Recombinant Mouse Leukemia Inhibitory Factor is produced by our E.coli expression system and the target gene encoding Ser24-Phe203 is expressed.
Accession	P09056
Formulation	Lyophilized from a 0.2 μ m filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Size	10 μ g/50 μ g/500 μ g/1mg
Purity	> 95%
Endotoxin	< 1EU/ μ g as determined by LAL test.
Predicted Mol Mass	19.9 KDa
Apparent Mol Mass	18 KDa, reducing conditions
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 μ g/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at $\leq -20^{\circ}\text{C}$, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8 $^{\circ}\text{C}$ for 2-7 days. Aliquots of reconstituted samples are stable at $\leq -20^{\circ}\text{C}$ 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.

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