LIF, Mouse Recombinant
Catalog Number: ST12008

Size 1 mL
Concentration 100 µg/mL
Source E. coli
Species Mouse
Molecular Mass 20 kDa

Storage and Stability
Store at 2-8°C. Stable for 6 months from date of receipt when stored as directed.

Formulation
Sterile liquid in phosphate-buffered saline, 0.02% Tween 20, 1% BSA, and 0.22 µm filtered.

Purity
Greater than 98% as determined by SDS-PAGE analysis

Endotoxin Level
Less than 1.0 EU/µg of mouse LIF as determined by the LAL assay

Biological Activity
Inhibits differentiation of mouse ES cells at 10 ng/mL

Description
Mouse recombinant Leukemia Inhibitory Factor (LIF) is a bioactive protein that promotes self-renewal and long-term maintenance of embryonic stem cells by suppressing spontaneous differentiation. LIF is also involved in a wide variety of biological processes including neuronal survival and formation, control of stem cell pluripotency, hematopoietic cell proliferation, bone and fat metabolism, and promotion of megakaryocyte production in vivo. Mouse LIF is a 20 kDa protein containing 181 amino acid residues.

References
