

Lif

Recombinant Mouse LIF

Catalog No.	CSI20150A CSI20150B CSI20150C	Quantity:	5 µg 25 µg 1.0 mg
Alternate Names:	Leukemia inhibitory factor, Lif		
Description:	<p>Leukemia Inhibitory Factor (LIF) is a lymphoid factor which promotes long-term maintenance of embryonic stem cells by suppressing spontaneous differentiation. LIF has a number of other activities including cholinergic neuron differentiation, control of stem cell pluripotency, bone and fat metabolism, mitogenesis of certain factor dependent cell lines, and promotion of megakaryocyte production <i>in vivo</i>.</p> <p>Recombinant Mouse LIF is a single non-glycosylated polypeptide chain containing 181 amino acids.</p>		
Gene ID:	16878		
Protein Accession No:	P09056		
Source:	<i>E. coli</i>		
Molecular Weight:	20 kDa		
Formulation:	Lyophilized from a sterile filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA).		
Purity:	> 98% by SDS-PAGE		
Endotoxin Level:	≤1 EU/µg of protein by kinetic LAL analysis		
Biological Activity:	Activity as determined by the ability to inhibit proliferation of mouse M1 cells is typically < 0.03 ng/ml.		
Specific Activity:	> 3.3 x 10 ⁷ units/mg		
Amino Acid Sequence:	MSPLPITPVN ATCAIRHPCH GNLMNQIKNQ LAQLNGSANA LFISYYTAQG EPFPNNVEKL CAPNMTDFPS FHGNGTEKTK LVELYRMVAY LSASLTNITR DQKVLNPTAV SLQVKLNATI DVMRGLLSNV LCRLCNKYRV GHVDVPPVPD HSDKEAFQRK KLGCQLLGTY KQVISVVVQA F		
Reconstitution:	Centrifuge vial prior to opening. Add sterile 10 mM acetic acid to a concentration of 0.1 mg/ml. DO NOT VORTEX. Allow several minutes for complete reconstitution. Further dilutions should be made in appropriate buffered solutions.		
Storage & Stability:	<p>Lyophilized product is stable at room temperature for shipping purposes. Upon receipt, store desiccated at -20°C for up to 1 year.</p> <p>Upon reconstitution, the preparation is stable for up to one month at 2-8°C. For long term storage, freeze in working aliquots and store at -20 to -80°C. For maximal stability, dilute to working aliquots in a 0.1% BSA solution. Avoid repeated freeze-thaw cycles.</p>		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

