

Recombinant Mouse Leukemia Inhibitory Factor (LIF)

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Rev. 4.00








Catalog Number	PMC9484
Quantity	10 µg
Lot Number	See product label.
Molecular Weight	~20.0 kDa (181 amino acids)
Purity	≥95% as determined by SDS-PAGE analysis.
Biological Activity	Mouse LIF biological activity is determined by the ability to induce IL-6 production in M1 myeloid leukemic cells. The ED50 of mouse LIF in this assay is ≤1ng/mL.
Formulation	Lyophilized from a sterile (0.2 µm) filtered aqueous solution containing 0.1% trifluoroacetic acid (TFA)
Reconstitution	Sterile 10mM Acetic Acid at 0.1mg/ml. Centrifuge vial before opening. Do not vortex. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80°C and avoid repeated freeze thaws.
Endotoxin	≤1EUs/µg
Production	Recombinant mouse LIF is produced in <i>E. coli</i> .
Storage	Store at -20°C - -80°C for 12 months, 1 month at 4°C after reconstituted or 3 months when stored at -20°C - -80°C after reconstituting as directed.
Expiration Date	Expires one year from date of receipt when stored as instructed.
References	<p>Jungling, Kay, et al. (2003) Purification of embryonic stem cell-derived neurons by immunoisolation. FASEB J. 17:2100–2.</p> <p>Ding, Sheng, et al. (2003) Synthetic small molecules that control stem cell fate. Proc. Natl. Acad. Sci. U.S.A., 100: 7632–7.</p> <p>Kami, K, et al., (1999) Leukemia inhibitory factor, glial cell line-derived neurotrophic factor, and their receptor expressions following muscle crush injury. Muscle Nerve, 22: 1576–86</p> <p>Carpenter, M K, et al. (1999) In vitro expansion of a multipotent population of human neural progenitor cells. Exp. Neurol., 158: 265–78.</p>

For Research Use Only. Not for use in diagnostic procedures.

Manufacturing site: 7335 Executive Way | Frederick, MD 21704 | E-mail: techsupport@lifetech.com

Explanation of Symbols

The symbols present on the product label are explained below:

Symbol	Description	Symbol	Description	Symbol	Description
	Manufacturer		Catalog number		Batch code
	Use by		Temperature limitation		
	Consult instructions for use		Caution, consult accompanying documents		

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