

Recombinant Mouse LIF Protein

CAT. NO: R01400-1

Size: 100µg

Description

LIF (leukemia inhibitory factor) is a widely expressed pleiotropic member of the IL-6 family of cytokines. The protein encoded by this gene is a pleiotropic cytokine with roles in several different systems. It is involved in the induction of hematopoietic differentiation in normal and myeloid leukemia cells, induction of neuronal cell differentiation, regulator of mesenchymal to epithelial conversion during kidney development, and may also have a role in immune tolerance at the maternal-fetal interface. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.

Amino Acid Sequence:

SPLPI TPVNA TCAIR HPCHG NLMNQ
IKNQL AQLNG SANAL FISYY TAQGE
PFPNN VEKLC APNMT DFPSF HGNGT
EKTKL VELYR MVAYL SASLT NITRD
QKVLN PTAVS LQVKL NATID VMRGL
LSNVL CRLCN KYRVG HVDVP PVPDH
SDKEA FQRKK LGCQL LGTYK QVISV
VVQAF

Source: E. coli Ser24-Phe203

Species: mouse

Purity: >95%, by SDS-PAGE quantitative densitometry by Coomassie® Blue Staining.

Molecular Weight: 19.8KD

Formulation: Lyophilized after extensive dialysis against PBS.

Reconstitution: Reconstitute in ddH₂O at 100 µg/mL.

Endotoxin: Less than 1 EU/µg of LIF as determined by LAL method.

Storage:

Lyophilized recombinant Mouse Leukemia Inhibitory Factor remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, rmLIF remains stable up to 2 weeks at 4°C or up to 3 months at -20°C.