ARG70407
Mouse LIF recombinant protein (Active) (His-tagged, N-ter)

Package: 100 µg, 20 µg
Store at: -20°C

Summary

Product Description	E. coli expressed, His-tagged (N-ter) Active Mouse LIF recombinant protein
Tested Application	SDS-PAGE
Target Name	LIF
Species	Mouse
A.A. Sequence	Ser24 - Phe203
Expression System	E. coli
Activity	Active
Alternate Names	LIF; LIF Interleukin 6 Family Cytokine; HILDA; Leukemia Inhibitory Factor; CDF; DIA; Differentiation Inhibitory Activity; Cholinergic Differentiation Factor; Differentiation-Stimulating Factor; Hepatocyte-Stimulating Factor III; Differentiation-Inducing Factor; Melanoma-Derived LPL Inhibitor; Human Interleukin In DA Cells; D Factor; MLPLI; LIF, Interleukin 6 Family Cytokine; Emfilermin

Properties

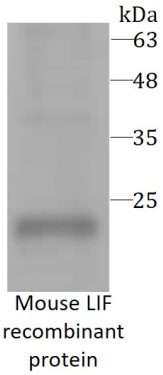
Form	Powder
Purification Note	Endotoxin level is less than 0.1 EU/µg of the protein, as determined by the LAL test.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	LIF
Gene Full Name	LIF Interleukin 6 Family Cytokine
Background	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.
Function	LIF 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.

PTM	Disulfide bond, Glycoprotein
Cellular Localization	Secreted

Images



ARG70407 Mouse LIF recombinant protein (Active) (His-tagged, N-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70407 Mouse LIF recombinant protein (Active) (His-tagged, N-ter)