

Leukemia inhibitory factor protein (LIF) Active Protein | LIF active protein

Recombinant Human Leukemia inhibitory factor protein (LIF) (Active)

CATALOG #
AAA114239

HOST
E Coli

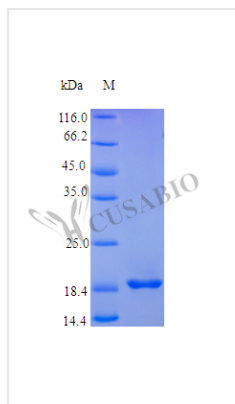
PRODUCT SYNONYMS

Leukemia inhibitory factor protein (LIF); Recombinant Human Leukemia inhibitory factor protein (LIF) (Active); LIF; D factor; Melanoma-derived LPL inhibitor; MLPLI; Emfilermin; LIF active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized
Sequence Positions	23-23-202aa
Sequence	SPLPITPVNA TCAIRHPCHN NLNQIRSQL AQLNGSANAL FILYYTAQGE PFPNNLDKLC GPNVTDFFPF HANGTEKAKL VELYRIVVYL GTSLGNITRD QKILNPSALS LHSKLNATAD ILRGLLSNVL CRLCSKYHVG HVDVTYGPDT SGKDVFQKKK LGCQLLGKYK QIIAVLAQAF
Species	Homo sapiens (Human)
Biological Activity	Fully biologically active when compared to standard. The ED50 as determined by the dose-dependent proliferation of human TF-1 cells is less than 0.1 ng/ml, corresponding to a specific activity of $\geq 1.0 \times 10^7$ IU/mg.
Endotoxin	Less than 1.0 EU/ug as determined by LAL method.
Protein Note	Protein will be provided with aseptic processing and endotoxin removal.
Preparation and Storage	Generally, the shelf life of liquid form is 6 months at -20/-80 degree C. The shelf life of lyophilized form is 12 months at -20/-80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for LIF active protein	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.
Product Categories/Family for LIF active protein	Biological Active Protein; Immunology; Growth Factor

NCBI AND UNIPROT INFORMATION

NCBI GI #	380418324
NCBI GeneID	3976
NCBI Accession #	NP_001244064.1
NCBI GenBank Nucleotide #	NM_001257135.1
UniProt Accession #	P15018; Q52LZ2; B2RCW7; B5MC23
Molecular Weight	19.7 kDa
NCBI Official Full Name	leukemia inhibitory factor isoform 2
NCBI Official Synonym Full Names	LIF, interleukin 6 family cytokine
NCBI Official Symbol	LIF
NCBI Official Synonym Symbols	CDF; DIA; HILDA; MLPLI
NCBI Protein Information	leukemia inhibitory factor
UniProt Protein Name	Leukemia inhibitory factor
UniProt Gene Name	LIF
UniProt Synonym Gene Names	HILDA; LIF; D factor; MLPLI

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-active-protein/leukemia-inhibitory-factor-protein-lif/114239>