

Leukemia inhibitory factor/LIF Recombinant Protein | LIF recombinant protein

Recombinant Human Leukemia inhibitory factor/LIF Protein

CATALOG #
AAA282601

HOST
HEK293 cells

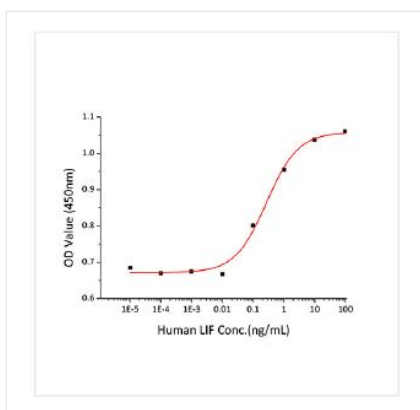
PRODUCT SYNONYMS

Leukemia inhibitory factor/LIF; Recombinant Human Leukemia inhibitory factor/LIF Protein; CDF; DIA; HILDA; MLPLI; LIF; LIF recombinant protein

PRODUCT SPECIFICATIONS

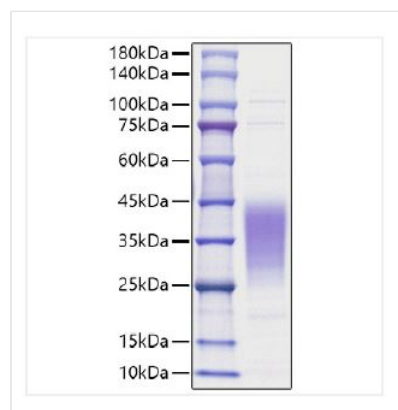
Host	HEK293 cells
Purity/Purification	> 92% by SDS-PAGE.
Form/Format	Liquid Lyophilized from a 0.22 um filtered solution of PBS, pH 7.4.
Species	Human
Tag	NO-tag
Bioactivity	Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. Kitamura, T. et al. (1989) J. Cell Physiol. 140:323. The ED50 for this effect is 0.14-0.54 ng/mL, corresponding to a specific activity of 1.85×10^6 - 7.14×10^6 units/mg.
Preparation and Storage	Store the lyophilized protein at -20 to -80 degree C for 12 months. After reconstitution, the protein solution is stable at -20 degree C for 3 months, at 2-8 degree C for up to 1 week. Avoid repeated freeze/thaw cycles. Ship: Ice Pack

IMAGES



Application Data

Recombinant Human LIF stimulates cell proliferation of the TF-1 human erythroleukemic cells. The ED50 for this effect is 0.14-0.54 ng/mL, corresponding to a specific activity of 1.85×10^6 - 7.14×10^6 units/mg.



SDS-PAGE

Active Recombinant Human Leukemia inhibitory factor/LIF Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 35.4 kDa.

ADDITIONAL INFORMATION

Related Product Information for LIF recombinant protein

Recombinant Human Leukemia inhibitory factor/LIF Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ser23-Phe202) of human Leukemia inhibitory factor/LIF (Accession #NP_002300.1) fused with and a additional amino acid free.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504991
NCBI GeneID	3976
NCBI Accession #	NP_002300.1
NCBI GenBank Nucleotide #	NM_002309.4
UniProt Accession #	P15018; Q52LZ2; B2RCW7; B5MC23
Molecular Weight	22,008 Da
NCBI Official Full Name	leukemia inhibitory factor isoform 1
NCBI Official Synonym Full Names	leukemia inhibitory factor
NCBI Official Symbol	LIF
NCBI Official Synonym Symbols	CDF; DIA; HILDA; MLPLI
NCBI Protein Information	leukemia inhibitory factor; D factor; human interleukin in DA cells; melanoma-derived LPL inhibitor; differentiation-inducing factor; hepatocyte-stimulating factor III; cholinergic differentiation factor; differentiation-stimulating factor; differentiatio
UniProt Protein Name	Leukemia inhibitory factor
UniProt Gene Name	LIF
UniProt Synonym Gene Names	HILDA; LIF; D factor; MLPLI
UniProt Entry Name	LIF_HUMAN

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/lif-recombinant-protein-hek293-cells/282601>