

Recombinant Human LIF Protein(His tag)

Cat. No: HH0218LL

PRODUCT INFORMATION

Synonyms	LIF; CDF; DIA; HILDA; MLPLI
Product Overview	Recombinant Human LIF Protein (P15018) (Met1-Phe202) with a C-terminal polyhistidine tag was expressed in HEK293.
Species	Human
Accession	LIF
Source	HEK293
Tag	His
Predicted N Terminal	Ser 23
Form	Lyophilized from sterile PBS, pH 7.4, 5 % trehalose and 5 % mannitol.
Bio-activity	Measured by its ability to inhibit the proliferation of M1 mouse myeloid leukemia cells. The ED50 for this effect is typically 0.2-1 ng/ml.
Molecular Mass	Recombinant Human LIF comprises 191 amino acids and has a predicted molecular mass of 21.2 kDa. The apparent molecular mass of the protein is approximately 35-42 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per 1 microgram of protein (determined by LAL method).
Purity	> 95 % by SDS-PAGE.

USAGE GUIDE

Storage	In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C). Avoid repeated freeze/thaw cycles.
Reconstitution	Reconstitute in sterile distilled water to a concentration of 0.1-1.0 mg/mL.
Warning	For research use only!

BACKGROUND

Background	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.
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