

Recombinant Full Length Human LIF Protein, C-Flag-tagged

Cat. No. LIF-1814HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human LIF Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	19.7 kDa
AA Sequence	MKVLAAGVVPLLLVLHWKHGAGSPLPITPVNATCAIRHPCHNNLMNQIRSQLAQLNG SANALFILYYTAQ GEPFPNNLDKLCGPNVTDFFPPFHANGTEKAKLVELYRIVVYLGT SLGNITRDQKILNPSALSLSKLNAT ADILRGLLSNVLCRLCSKYHVGHVDTVYGPDTSGKDVFQKKKLGCQLLGKYKQIIAVL AQAFTTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.

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Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Adult stem cells, Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein
Protein Pathways	Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway
Full Length	Full L.

GENE INFORMATION

Gene Name	LIF LIF interleukin 6 family cytokine [Homo sapiens (human)]
Official Symbol	LIF
Synonyms	CDF; DIA; HILDA; MLPLI
Gene ID	3976
mRNA Refseq	NM_002309.5
Protein Refseq	NP_002300.1
MIM	159540

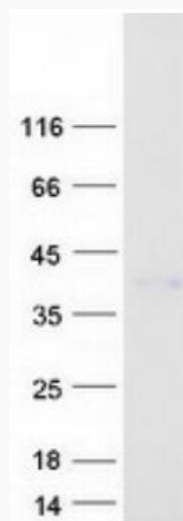
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UniProt ID

P15018



Coomassie blue staining of purified LIF protein.

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