

Human LIF Recombinant Protein



RPPB0738

Product Information Protein Information

Product SKU:

RPPB0738

Accession:

P15018

Host:

Sf9, Baculovirus cells.

Protein description:

LIF Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 189 amino acids (23-202a.a.) and having a molecular mass of 20.8kDa (Molecular size on SDS-PAGE will appear at approximately 18-40kDa). LIF is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Appearance:

Sterile filtered colorless solution.

Synonyms:

Leukemia Inhibitory Factor, 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, HILDA, MLPLI, Emfilermin, DIA, CDF, Leukemia inhibitory factor, LIF, Differentiation-stimulating factor, D factor, Melanoma-derived LPL inhibitor, MLPLI, Emfilermin.

Formulation:

LIF protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

Purity:

Greater than 90.0% as determined by SDS-PAGE.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid Sequence:

ADPSPLPITP VNATCAIRHP CHNNLMNQIR SQAQLNGSA NALFILYYTA QGEPFPNNLD KLCGPNVTDF
PPFHANGTEK AKLVELYRIV VYLGTSLGNI TRDQKILNPS ALSLHSLKNA TADILRGLLS NVLCRLCSKY
HVGHVDTVYGPDTSGKDVFQ KKKLGCQLLG KYKQIIAVLAQAFHHHHHHH.

Biological Activity:

Measured in a cell proliferation assay using TF-1 human erythroleukemic cell. The ED50 for this effects is less or equal to 0.5 ng/ml.