



Leukemia Inhibitory Factor Human Recombinant, Sf9

Item Number	rAP-0704
Synonyms	Leukemia Inhibitory Factor, Differentiation Inhibitory Activity, Cholinergic Differentiation Factor, Differentia-tion-Stimulating Factor, Hepatocyte-Stimulating Factor III, Differentiation-Inducing Factor, Melanoma-Derived LPL Inhibitor, Human Interleukin
Description	LIF Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain con-taining 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
Uniprot Accesion Number	P15018
Amino Acid Sequence	ADPSPLPITP VNATCAIRHP CHNNLMNQIR SQAQLNGSA NALFILYYTA QGEPPFNLD KLCGPNVDTF PPFHANGTEK AKLVELYRIV VYLGTSLGNI TRDQKILNPS ALSLHSKLNA TADILRGLLS NVLCRLCSKY HVGHVDVTYG PDTSGKDVFQ KKKLGQCLLG KYKQIIAVLAQAFHHHHHH.
Source	Sf9, Baculovirus cells.
Physical Appearance and Stability	Sterile filtered colorless solution. 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).
Formulation and Purity	LIF protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
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.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**