9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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LIF Human, Sf9

Leukemia Inhibitory Factor Human Recombinant, Sf9
CYK0477

Product Overview

Name	LIF Human, Sf9
Description	
Leukemia Inhibitory Factor Human Recombinant, Sf9	
Accession (Primary)	P15018
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.	
Introduction	
Leukemia Inhibitory Factor also called LIF is a lymphoid factor that promotes long-term maintenance of embryonic stem cells by suppressing spontaneous differentiation. Leukemia Inhibitory Factor has several functions such as cholinergic neuron differentiation, control of stem cell pluripotency, bone & fat metabolism, mitogenesis of factor dependent cell lines & promotion of megakaryocyte production in vivo. Human and mouse LIF exhibit a 78% identity in its amino acid sequence.	
Source	
Sf9, Baculovirus cells.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
LIF protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.	
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.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
ADP SPLPITP VNATCAIRHP CHNNLMNQIR SQLAQLNGSA NALFILYYTA QGEPFPNNLD KLCGPNVTDF	

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PPFHANGTEK AKLVELYRIV VYLGTSLGNI TRDQKILNPS ALSLHSKLNA TADILRGLLS NVLCRLCSKY HVGHVDVTYG PDTSGKDVFQ KKKLGCQLLG KYKQIIAVLA QAF HHHHHH .

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.

Precautions

LIF Human, Sf9 is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P15018)