9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

LIF Human, His

Leukemia Inhibitory Factor Human Recombinant, His tag
CYK0476

Product Overview

Name	LIF Human, His
Description	
Leukemia Inhibitory Factor Human Recombinant, His tag	
Accession (Primary)	P15018
Synonyms	
CDF, HILDA, D-FACTOR, Differentiation- stimulating factor, Melanoma-derived LPL inhibitor, MLPLI, Emfilermin, Leukemia inhibitory factor, LIF, DIA.	
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	
Escherichia Coli.	
Physical Appearance	
Filtered White lyophilized (freeze-dried) powder.	
Formulation	
LIF filtered (0.4 µm) and lyophilized from 0.5mg/ml solution in 20 mM Tris buffer, 20 mM NaCl and 5% w/v trehalose, pH 7.5.	
Stability	
Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
MKHHHHHHA S PLPITPVNAT CAIRHPCHNN LMNQIRSQLA QLNGSANALF ILYYTAQGEP FPNNLDKLCG	

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PNVTDFPPFH ANGTEKAKLV ELYRIVVYLG TSLGNITRDQ KILNPSALSL HSKLNATADI LRGLLSNVLC RLCSKYHVGH VDVTYGPDTS GKDVFQKKKL GCQLLGKYKQ IIAVLAQAF.

Solubility

It is recommended to add deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely.

Precautions

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

Target Information: (P15018)