www.neobiolab.com
info@neobiolab.com
888.754.5670, +1 617.500.7103 United States
0800.088.5164, +44 020.8123.1558 United Kingdom

LIF Human, GST

Catalog #:CYPS-008

For research use only.

Description:LIF produced in E.Coli is a single, non-glycosylated polypeptide chain containing 415 amino acids (23-202a.a.) and having a molecular mass of 47.2kDa.LIF is fused to a 236 amino acid His-GST tag at N-terminus & purified by proprietary chromatographic techniques.

Synonyms:D factor, MLPLI, HILDA, Emfilermin, Leukemia Inhibitory factor, Differentiation-stimulating factor, Melanoma-derived LPL inhibitor.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered clear solution.

Amino Acid Sequence:MHHHHHHMSP ILGYWKIKGL VQPTRLLLEY LEEKYEEHLY ERDEGDKWRN KKFELGLEFP NLPYYIDGDV KLTQSMAIIR YIADKHNMLG GCPKERAEIS MLEGAVLDIR YGVSRIAYSK DFETLKVDFL SKLPEMLKMF EDRLCHKTYL NGDHVTHPDF MLYDALDVVL YMDPMCLDAF PKLVCFKKRI EAIPQIDKYL KSSKYIAWPL QGWQATFGGG DHPPKSDLVP RG

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:
The LIF GST protein solution (1mg/1ml) is formulated in 20mM Tris-HCl buffer (pH 8.0) 1mM DTT, 50mM NaCl and 20% glycerol.

Usage:
NeoBiolabs products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
Leukemia inhibitory factor, is a pleiotropic cytokine which is expressed by numerous cells including activated T lymphocytes, monocytes, mast cells and neuronal cells. LIF takes part 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 is a key player in immune tolerance at the maternal-fetal interface.

Storage:
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time.Please avoid freeze thaw cycles.

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