

**LIF, 23-202aa, Human, His-tag, Baculovirus**

**Cat.NO.: TP02824**

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3th Edition

**Synonyms:**Leukemia inhibitory factor isoform1, LIF, CDF, DIA, HILDA, MLPLI

**Description:**LIF, as known as leukemia inhibitory factor, is a pleiotropic glycoprotein belonging to the LI6 family of cytokines. This protein is involved in growth promotion and cell differentiation of different types of target cells, influence on bone metabolism, embryogenesis and inflammation. It is produced by the adrenal cortex and likely enhances its production of cortisol and aldosterone. Also, it can function as an autocrine growth factor in some pancreatic cancers, but induced differentiation in the leukemic cell line M1. Recombinant human LIF, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

**Form:**Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

**Molecular Weight:**20.8kDa (189aa)18-40kDa (SDS-PAGE under reducing conditions.)

**Sequences:**

ADPSPLPITPVNATCAIRHPCHNNLMNQIRSQLAQLNGSANALFILYYTAQGEPFPNNLDKLCGPNVTDFFPPFHANG  
TEKAKLVELYRIVVYLGTS LGNITRDQKILNPSALSLHSKLNATADILRGLLSNVLCRLCSKYHVGHVDTVYGPDTSG  
KDVFQKKKLG CQLLGKYKQIIAVLAQAFHHHHH

**Purity:**> 95% by HPLC

**Concentration:**0.25mg/ml (determined by Absorbance at 280nm)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.