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Product Datasheet

Human LIF protein, His tag (active), Unconjugated GTX00201-PRO

Article Name	Human LIF protein, His tag (active), Unconjugated
Biozol Catalog Number	GTX00201-PRO
Supplier Catalog Number	GTX00201-pro
Alternative Catalog Number	GTX00201-PRO-10
Manufacturer	GeneTex
Category	Proteine/Peptide
Application	FA
Species Reactivity	Human
Conjugation	Unconjugated
NCBI	3976
UniProt	P15018
Buffer	Reconstitute with 20mM Tris and 150mM NaCl to 0.1-1.0mg/ml. Do not vortex. Lyophilized from 20mM Tris, 150mM NaCl, 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose, ProClin 300.
Expression System	E. coli
Form	Lyophilized powder
Sequence	N-terminal His-Tag, Lys2~Ala201 (NP_001244064.1)

Application Notes	Leukemia Inhibitory Factor (LIF), is an interleukin 6 class cytokine that affects cell growth by inhibiting differentiation. Other properties attributed to the cytokine include: the growth promotion and cell differentiation of different types of target cells, influence on bone metabolism, cachexia, neural development, embryogenesis and inflammation. p53 regulated LIF has been shown to facilitate implantation in the mouse model and possibly in humans. To test the effect of LIF on cell proliferation, TF-1 cells were seeded into triplicate wells of 96-well plates at a density of 5000 cells/well with 1% serum standard RPMI-1640 including various concentrations of recombinant human LIF. After incubated for 72h, cells were observed by inverted microscope and cell proliferation was measured by Cell Counting Kit-8 (CCK-8). Briefly, 10 μl of CCK-8 solution was added to each well of the plate, then the absorbance at 450nm was measured using a microplate reader after incubating the plate for 1-4 hours at 37C. Proliferation of TF-1 cells after incubation with LIF for 72h observed by inverted microscope.
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