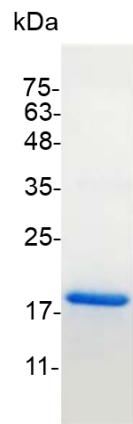


Catalog number	C01086-5UG / C01086-20UG / C01086-100UG
Package	5 µg / 20 µg / 100 µg
Description	LIF, a pleiotrophic factor, is identified in multiple cell types, including T cells, myelomonocytic lineages, fibroblasts, liver, heart and melanoma. LIF is capable of promoting long-term maintenance of embryonic stem cells by inhibiting spontaneous differentiation. In addition, LIF also have abilities including stimulation of differentiation of cholinergic nerves, the stimulation of acute phase protein synthesis by hepatocytes, and suppression of adipogenesis by supressing the lipoprotein lipase in adipocytes.
Source	<i>Escherichia coli</i>
Sequence	SPLPITPVNATCAIRHPCHNNLMNQIRSQLAQLNGSANALFILYYTAQGEPFPNN LDKLCGPNVTDFFPPFHANGTEKAKLVELYRIVVYLGTS LGNITRDQKILNPSALS LH SKLNATADILRGLLSNVLCRLCSKYHVGHV DVTYGPDTSGKDV FQKKKLGC QLLGKYKQIIAVLAQAF with polyhistidine tag at the N-terminus
Endotoxin level	<0.1 EU per 1 µg of the protein by the LAL method.
Activity	Measure by its ability to induce TF-1 cells proliferation. The ED ₅₀ for this effect is <0.2 ng/mL.
Purity	>98% as determined by SDS-PAGE.
Form	Lyophilized
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Stability & Storage	This product is stable after storage at: <ul style="list-style-type: none"> • -20°C for 12 months in lyophilized state from date of receipt. • -20°C or -80°C for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.



SDS-PAGE analysis of recombinant human LIF

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