LIF Protein, Human (HEK293, Fc)

Cat. No.:	HY-P73277
Synonyms:	LIF; Leukemia inhibitory factor; HILDA; D factor; MLPLI
Species:	Human
Source:	HEK293
Accession:	P15018 (M1-F202)
Gene ID:	3976
Molecular Weight:	Approximately 63 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The LIF protein possesses the capacity to induce terminal differentiation in leukemic cells. Its diverse range of activities encompasses the induction of hematopoietic differentiation in both normal and myeloid leukemia cells, prompting neuronal cell differentiation, and stimulating acute-phase protein synthesis in hepatocytes. These multifaceted activities underscore LIF's role in influencing cellular differentiation across various cell types and physiological contexts.

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