LIF Protein, Mouse (HEK293, Fc)

Cat. No.:	HY-P78324
Synonyms:	LIF; HILDA; MLPLI; CDF; DIA
Species:	Mouse
Source:	HEK293
Accession:	P09056 (P25-F203)
Gene ID:	16878
Molecular Weight:	67-70 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant 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	LIF (Leukemia Inhibitory Factor) exhibits the capability to prompt terminal differentiation in leukemic cells, showcasing a diverse range of activities. Notably, it induces hematopoietic differentiation in both normal and myeloid leukemia cells, facilitates neuronal cell differentiation, and stimulates the synthesis of acute-phase proteins in hepatocytes. This multifaceted role underscores LIF's significance in orchestrating various cellular processes, contributing to the regulation of hematopoiesis, neurogenesis, and hepatic responses.

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