

LIF Protein, Mouse (HEK293)

Cat. No.:	HY-P73279
Synonyms:	LIF; Leukemia inhibitory factor; HILDA; D factor; MLPLI
Species:	Mouse
Source:	HEK293
Accession:	P09056/NP_032527.1 (S24-F203)
Gene ID:	16878
Molecular Weight:	Approximately 35.6 kDa

PROPERTIES

AA Sequence	<p>S P L P I T P V N A T C A I R H P C H G N L M N Q I K N Q L A Q L N G S A N A L</p> <p>F I S Y Y T A Q G E P F P N N V E K L C A P N M T D F P S F H G N G T E K T K L</p> <p>V E L Y R M V A Y L S A S L T N I T R D Q K V L N P T A V S L Q V K L N A T I D</p> <p>V M R G L L S N V L C R L C N K Y R V G H V D V P P V P D H S D K E A F Q R K K</p> <p>L G C Q L L G T Y K Q V I S V V V Q A F</p>
Biological Activity	<p>1. Measured by its ability to inhibit the proliferation of M1 mouse myeloid leukemia cells. The ED₅₀ for this effect is typically 0.1-0.5 ng/mL.</p> <p>2. Measured in a cell proliferation assay using M-NFS-60 cells. The ED₅₀ this effect is 69.78 ng/mL, corresponding to a specific activity is 1.4331×10⁴ units/mg.</p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4 or 20 mM PB, 150 mM NaCl, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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. It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

Caution: Product has not been fully validated for medical applications. For research use only.

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