



# Certificate of Analysis

## LIF Protein, Rat (HEK293, His)

Cat. No.:	HY-P78621
Batch No.:	272586
Species:	Rat
Source:	HEK293
Tag:	C-6*His
Accession:	P17777-1 (S23-F202)
Gene ID:	60584
Molecular Weight:	30-55 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reduced SDS-PAGE.	95.00%
Endotoxin Level	<1 EU/μg, determined by LAL method.	<1 EU/μg
Biological Activity	Measured in a cell proliferation assay using M-NFS-60 cells. The ED <sub>50</sub> for this effect is 0.2365 ng/mL, corresponding to a specific activity is 4.23×10 <sup>6</sup> units/mg.	0.2365 ng/mL
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> 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. 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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