



Certificate of Analysis

LIFR Protein, Rat (HEK293, His)

Cat. No.:	HY-P75907
Batch No.:	252553
Species:	Rat
Source:	HEK293
Tag:	C-His
Accession:	G3V7K2 (M1-S829)
Gene ID:	81680
Molecular Weight:	Approximately 116 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE	96.10%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	1.Measured by its binding ability in a functional ELISA. Immobilized Mouse LIF hFc at 2 μg/mL (100 μl/well) can bind Rat LIFR His , the EC ₅₀ of Rat LIFR His is 300-700 ng/mL. 2.Measured by its ability to inhibit the recombinant human LIF mediated inhibition in the M1 mouse myeloid leukemia cells. The ED ₅₀ for this effect is typically 5-40 ng/mL in the presence of 2 ng/mL recombinant human LIF.	PASS (Test by method 1) 5 ng/mL (Test by method 2)
Appearance	Lyophilized powder.	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O.	
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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