



Certificate of Analysis

GM-CSF Protein, Feline (M36I, T56A, K126N)

Cat. No.:	HY-P79432
Batch No.:	306714
Species:	Others
Source:	<i>E. coli</i>
Tag:	Tag Free
Accession:	AAC06041 (A18-K144, M36I, T56A, K126N)
Gene ID:	493805
Molecular Weight:	Approximately 14.6 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE	96.00%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED ₅₀ for this effect is 10-26 ng/mL.	25.68 ng/mL
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 10 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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