



Certificate of Analysis

G-CSF Protein, Mouse (HEK293, His)

Cat. No.:	HY-P70554
Batch No.:	440277
Species:	Mouse
Source:	HEK293
Tag:	C-6*His
Accession:	P09920 (V31-A208)
Gene ID:	12985
Molecular Weight:	Approximately 23-27 kDa due to the glycosylation.

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	95.00%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured in a cell proliferation assay using NFS 60 mouse myelogenous leukemia lymphoblast cells. The ED ₅₀ for this effect is ≤103.9 pg/mL, corresponding to a specific activity is ≥6.9624×10 ⁶ units/mg.	25.92 pg/mL
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 (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.	

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

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