

Certificate of Analysis

GM-CSF Protein, Human (His)

 Cat. No.:
 HY-P7016C

 Batch No.:
 240593

 Species:
 Human

 Source:
 E. coli

Accession: P04141 (A18-E144)

N-6*His

Gene ID: 1437

Tag:

Molecular Weight: Approximately 16 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	≥95.0%
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 26.66-33.71 pg/mL, corresponding to a specific activity is 2.97×10^7 -3.75×10 7 units/mg.	PASS
Appearance	Lyophilized powder.	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/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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Page 1 of 1 www.MedChemExpress.com