



# Certificate of Analysis

## GM-CSF Protein, Human (HEK293, Fc)

Cat. No.:	HY-P73081
Batch No.:	353249
Species:	Human
Source:	HEK293
Tag:	N-hFc
Accession:	P04141 (A18-E144)
Gene ID:	1437
Molecular Weight:	48-55 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE	≥98.0%
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 <sub>50</sub> for this effect is typically 1-5 ng/mL.	PASS
Appearance	Solution	
Concentration	1.49 mg/mL	
Reconstitution	N/A.	
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.	
Shipping	Shipping with dry ice	

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

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