



Certificate of Analysis

Animal-Free M-CSF Protein, Human (His)

Cat. No.: HY-P700137AF
Batch No.: 260518
Species: Human
Source: *E. coli*
Tag: C-His
Accession: NP_757350.2 (E33-S264)
Gene ID: 1435
Molecular Weight: Approximately 13.34 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	≥95.0%
Endotoxin Level	<0.1 EU per 1 µg of the protein by the LAL method.	PASS
Biological Activity	Measure by its ability to induce proliferation in NFS-60 cells. The ED ₅₀ for this effect is <1 ng/mL. The specific activity of recombinant human M-CSF is approximately >2.5x10 ⁸ IU/mg.	PASS
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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