



Certificate of Analysis

M-CSF Protein, Human

Cat. No.:	HY-P7050
Batch No.:	293723
Species:	Human
Source:	<i>E. coli</i>
Tag:	Tag Free
Accession:	P09603-3 (E33-S190)
Gene ID:	1435
Molecular Weight:	19-28 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	The ED ₅₀ is 0.4 - 3 ng/mL as measured by M-NFS-60 cells, corresponding to a specific activity of 3.3×10^5 - 2.5×10^6 units/mg.	0.4609 ng/mL
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O or PBS or Tris-HCl, pH 8.0. 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.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA