

Catalog Number: HZ-1192

Data Sheet





Animal Component-Free

Human cell expressed

Tag-Free

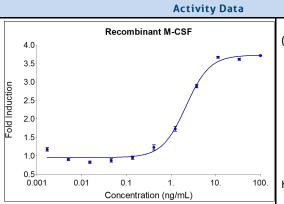
Endotoxin Free

Product Description

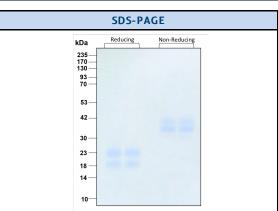
Animal-free Recombinant Human M-CSF is expressed in human 293 cells and has an apparent molecular mass of 35 to 40 kDa due to glycosylation. M-CSF is a potent hematopoietic factor produced by a variety of cells including lymphocytes, monocytes, fibroblasts, endothelial cells, myoblasts, and osteoblasts. It is a key regulator of cellular proliferation, differentiation, and survivial of blood monocytes, tissue macrophages, and their progenitor cells. This cytokine is produced in a human cell expression system with serum-free, chemically defined media.

Alternative Names	CSF 1, CSF1, Lanimostim, M CSF, MCSF, M-CSF	
Source	Human Embryonic Kidney cells (HEK293). HEK293-derived M-CSF protein	

Specifications					
Test	Method	Specification			
Activity	Dose-dependent stimulation of the proliferation of murine M-NFS-60 cells (Mouse myeloid leukemia indicator cell line)	0.7-4.0 ng/mL EC50			
Molecular Mass	SDS-PAGE	35 and 40 kDa, homodimer, glycosylated			
Purity	SDS-PAGE	>95%			
Endotoxin	LAL	<1 EU/µg			



Recombinant human M-CSF
(Cat no: HZ-1192) stimulates
dose-dependent
proliferation of the murine
mouse myloid leukemia (MNFS-60) cell line. Cell
number was quantitatively
assessed by Prestoblue®
Cell Viability Reagent. MNFS-60 cells were treated
with increasing
concentrations of
recombinant M-CSF for 48
hours. The EC50 range is 0.74.0 ng/mL.



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Document #: FR-QA118-101 Rev 0
Data Sheet Version #: 1

Proteintech Group, Inc.

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Preparation				
Shipping Temperature ambient temperature				
Formulation	1x PBS, See Certificate of Analysis for details			
Reconstitution	Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile 1xPBS pH 7.4 containing 0.1% endotoxin-free recombinant human serum albumin (HSA).			

	Product Form	Temperature Conditions	Storage Time (From Date of Receipt)
	Lyophilized	-20°C to -80°C	Until Expiry Date
Stability and Storage	Lyophilized	Room Temperature	2 weeks
_	Reconstituted as per CofA	-20°C to -80°C	6 months
	Reconstituted as per CofA	4°C	1 week
		Avoid repeated freeze-thaw cycles.	

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