

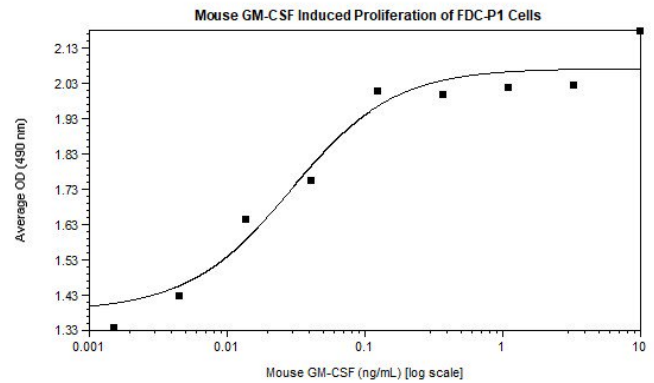
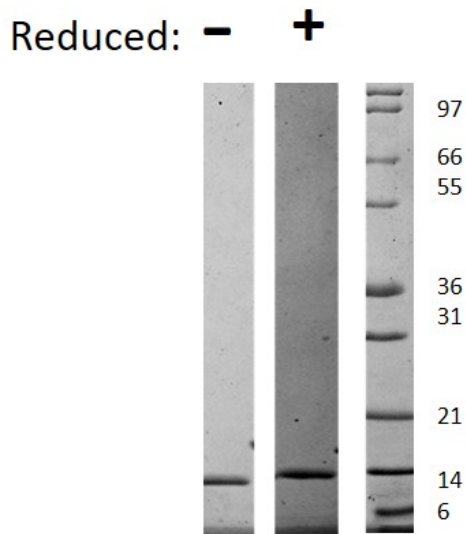
Csf2

Recombinant Mouse GM-CSF, Animal Free

Catalog No.	CRG101A-AF CRG101B-AF CRG101C-AF	Quantity:	5 µg 20 µg 1.0 mg
Alternate Names:	Granulocyte-macrophage colony-stimulating factor, GM-CSF, Colony-stimulating factor, CSF		
Description:	Granulocyte-macrophage colony-stimulating factor (GM-CSF) is hematopoietic growth factor produced by endothelial cells, monocytes, fibroblasts, and T cells. GM-CSF stimulates the production of neutrophilic granulocytes, macrophages, and mixed granulocyte-macrophage colonies from bone marrow cells. GM-CSF promotes immune system development and regulates neutrophil function during infection. Human and mouse GM-CSF show no cross-reactivity.		
UniProt ID:	P01587		
Source:	<i>E. coli</i> Manufactured in an Animal-Free facility, without animal-derived materials.		
Molecular Weight:	14.3 kDa (125 aa) monomer		
Formulation:	Lyophilized from a sterile filtered 10 mM acetic acid.		
Purity:	≥95% by reducing and non-reducing SDS-PAGE		
Endotoxin Level:	≤ 0.1 EU/µg by kinetic LAL analysis		
Biological Activity:	ED ₅₀ ≤ 0.05 ng/ml, determined by the dose-dependent stimulation of the proliferation of mouse FDC-P1 cells.		
Amino Acid Sequence:	MAPTRSPITV TRPWKHVEAI KEALNLLDDM PVTLNEEVEV VSNEFSFKKL TCVQTRLKIF EQGLRGNFTK LKGALNMTAS YYQTYCPPTP ETD CETQVTT YADFIDSLKT FLTDIPFECK KPVQK		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water to reconstitute to a recommended concentration of 0.1 mg/mL and gently pipet solution up and down sides of vial. DO NOT VORTEX. Allow several minutes for reconstitution.		
Storage & Stability:	Store as supplied at -20°C to -80°C for up to 1 year. Upon reconstitution, prepare working aliquots and store at -20°C to -80°C. It is recommended that a carrier protein such as 0.1% HSA or BSA is added for long term storage. Avoid repeated freeze-thaw cycles.		



Figure 1: 1 µg in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue.



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



Cell Sciences®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com