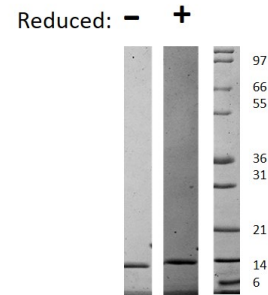
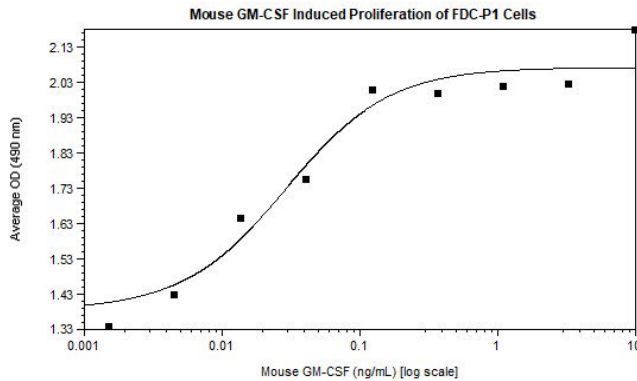


Csf2

Recombinant Mouse GM-CSF

Catalog No.	CRG101A CRG101B CRG101C	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 a cytokine that controls the production, differentiation, and function of granulocytes and macrophages. GM-CSF can also stimulate some functional activities in mature granulocytes and macrophages. It is produced by endothelial cells, monocytes, fibroblasts and T cells in response to a number of inflammatory mediators.		
Gene ID:	7567		
UniProt ID:	P01587		
Source:	<i>E. coli</i>		
Molecular Weight:	14.3 kDa (125 aa) monomer		
Formulation:	Lyophilized from sterile filtered 10 mM acetic acid.		
Purity:	≥95% by reducing and non-reducing SDS-PAGE		
Endotoxin Level:	≤ 1.0 EU/µg by kinetic LAL analysis		
Biological Activity:	ED ₅₀ ≤ 50 pg/ml, determined by the dose-dependent stimulation of the proliferation of mouse FDC-P1 cells.		
Specific Activity:	≥ 2.0 x 10 ⁷ units/mg		
Amino Acid Sequence:	MAPTRSPITV TRPWKHVEAI KEALNLLDDM PVTLNEEVEV VSNEFSFKKL TCVQTRLKIF EQGLRGNFTK LKGALNMTAS YYQTYCPPTP ETDCEQVTT 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.		





Mouse GM-CSF

Figure: 1 ug in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Mouse GM-CSF is predicted to have a MW of 14.3 kDa.

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



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