Csf2
Recombinant Mouse GM-CSF

Catalog No.	CRG101A	**Quantity:**	5 µg
	CRG101B		20 µg
	CRG101C		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: *E. coli*

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: ≤ 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.

Specific Activity: ≥ 2.0×10^7 units/mg

Amino Acid Sequence: MAPTRSPITV TRPWKHVEAI KEALNLLDDM PVTLNEEVEV VSNEFSFKKL TCVQTRLKIF EQGLRGNFTK LKGALNMTAS YYQTYCPPTP ETDCETQVTT 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.

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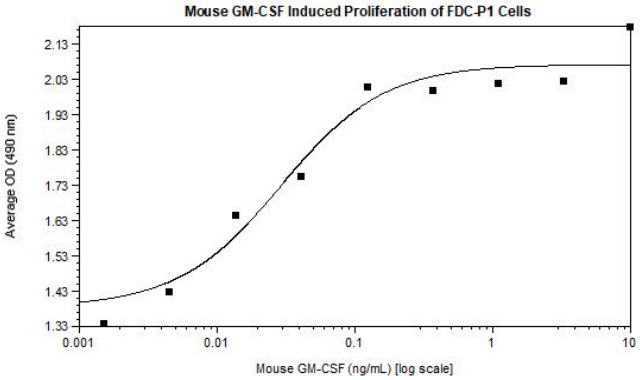

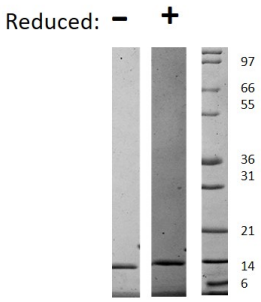

Mouse GM-CSF

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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