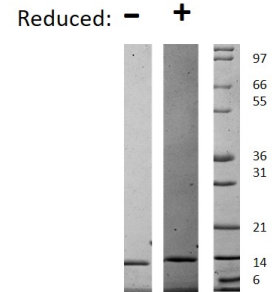
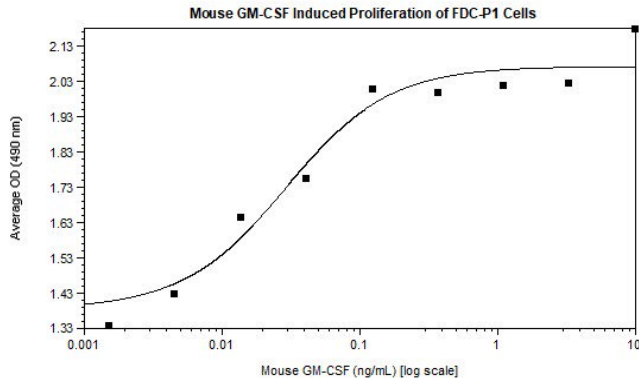


## Csf2

### Recombinant Mouse GM-CSF

<b>Catalog No.</b>	CRG101A CRG101B CRG101C	<b>Quantity:</b>	5 µg 20 µg 1.0 mg
<b>Alternate Names:</b>	Granulocyte-macrophage colony-stimulating factor, GM-CSF, Colony-stimulating factor, CSF		
<b>Description:</b>	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.  <b>Human and mouse GM-CSF show no cross-reactivity.</b>		
<b>UniProt ID:</b>	P01587		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	14.3 kDa (125 aa) monomer		
<b>Formulation:</b>	Lyophilized from sterile filtered 10 mM acetic acid.		
<b>Purity:</b>	≥95% by reducing and non-reducing SDS-PAGE		
<b>Endotoxin Level:</b>	≤ 0.1 EU/µg by kinetic LAL analysis		
<b>Biological Activity:</b>	ED <sub>50</sub> ≤ 0.05 ng/ml, determined by the dose-dependent stimulation of the proliferation of mouse FDC-P1 cells.		
<b>Amino Acid Sequence:</b>	MAPTRSPITV TRPWKHVEAI KEALNLLDDM PVTLNEEVEV VSNEFSFKKL TCVQTRLKIF EQGLRGNFTK LKGALNMTAS YYQTYCPPTP ETDCEQVTT YADFIDSLKT FLTDIPFECK KPVQK		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> 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. <b>DO NOT VORTEX.</b> Allow several minutes for reconstitution.		
<b>Storage &amp; Stability:</b>	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. <b>Avoid repeated freeze-thaw cycles.</b>		





**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.**