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Csf2
Recombinant Rat GM-CSF

Catalog No.	CRR306A	**Quantity:**	5 µg
	CRR306B		100 µg
	CRR306C		1 mg

Alternate Names: CSF-2. Pluripoietin-α, MGI1GM

Description: Granulocyte Macrophage Colony Stimulating Factor (GM-CSF) is hematopoietic factor produced by entothelial cells, monocytes, fibroblasts and T cells in response to a number of inflammatory mediators. GM-CSF is able to stimulate the production of neutrophilic granulocytes, macrophages, and mixed granulocyte-macrophage colonies from bone marrow cells. GM-CSF can also stimulate some functional activities in mature granulocytes and macrophages. Human and mouse GM-CSF show no cross-reactivity.

Gene ID: 116630

UniProt ID: P48750

Source: *E. coli*

Molecular Weight: Monomer, 14.7 kDa (128 aa)

Formulation: Lyophilized from a sterile-filtered solution containing 20 mM sodium bicarbonate, pH 8.5

Purity: ≥95% by reducing and non-reducing SDS-PAGE

Endotoxin Level: ≤ 1 EU/µg by kinetic LAL analysis

Biological Activity: ED_{50} ≤ 20 pg/ml, determined by FDC-P1 cell proliferation assay.

Specific Activity: ≥ 5.0 x 10^7 U/mg

Amino Acid Sequence: MAPTRSPNPV TRPWKHVDAI KEALSLLNDM RALENEKNED VDIISNEFSI QRPTCVQTRL KLYKQGLRGN LTKLNGALTM IASHYQTNCP PTPETDCEIE VTTFEDFIKN LKGFLFDIPF DCWKPVQK

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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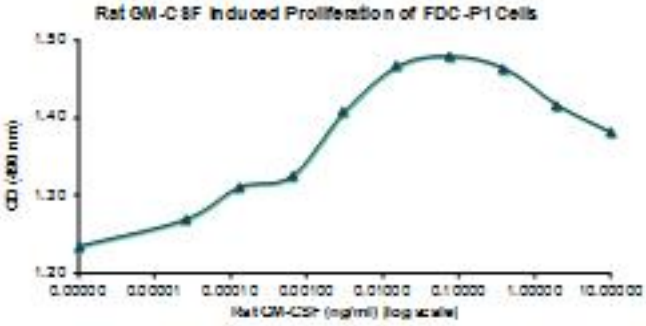

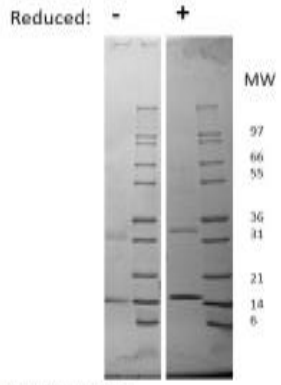

Rat GM-CSF Gel

Figure: 1 ug in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Rat GM-CSF has a predicted MW of 14.7 kDa.

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

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