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## 32-12099: Mouse Granulocyte Macrophage-Colony Stimulating Factor (AF)

 Gene :
 Csf2

 Gene ID :
 12981

 Uniprot ID :
 P01587

Alternative Name: Colony-stimulating factor, Csfgm

## **Description**

Source: Genetically modified E.coli.

Predicted MW:Â Monomer, 14.3 kDa (125 aa)

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.

## **Product Info**

**Amount:** 20 μg / 100 μg

**Purification:** Reducing and Non-Reducing SDS PAGE at >= 95%

Content: Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM acetic acid

Sterile water at 0.1 mg/mL

**Storage condition :** Store at -20°C

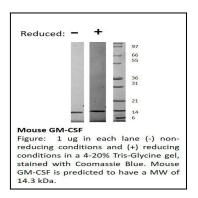
Amino Acid: MAPTRSPITV TRPWKHVEAI KEALNLLDDM PVTLNEEVEV VSNEFSFKKL TCVQTRLKIF EQGLRGNFTK

LKGALNMTAS YYQTYCPPTP ETDCETQVTT YADFIDSLKT FLTDIPFECK KPVQK

## **Application Note**

**Endotoxin:** Less than 0.1 ng/ $\tilde{A} \square \hat{A} \mu g$  (1 IEU/ $\tilde{A} \square \hat{A} \mu g$ ) as determined by LAL test.

Biological Activity was determined by FDCP-1 cell proliferation at <=50 pg/mL; >=  $2.0 \times 10^7$  units/mg. Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at  $-80\text{\AA}$  $\square$ Å°C and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vialed to compensate for this loss.





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