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32-12100: Rat Granulocyte Macrophage-Colony Stimulating Factor

Gene :	Csf2
Gene ID :	116630
Uniprot ID :	P48750
Alternative Name :	Colony-stimulating factor, Csfgm

Description

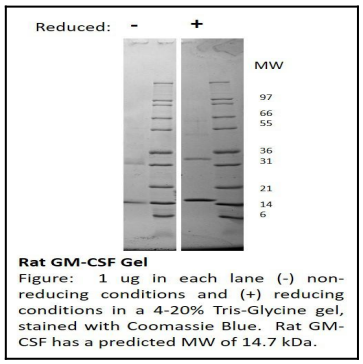
Source: Genetically modified E.coli
Monomer, 14.7 kDa (128 aa)
Granulocyte Macrophage Colony Stimulating Factor (GM-CSF) is hematopoietic factor produced by entothelial cells, monocytes, fibroblasts and T cells in response to a number of inflammatory mediators. GM-CSF is able to stimulate the production of neutrophilic granulocytes, macrophages, and mixed granulocyte-macrophage colonies from bone marrow cells.Â GM-CSF can also stimulate some functional activities in mature granulocytes and macrophages.Â Human and mouse GM-CSF show no cross-reactivity.Â

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 20 mM sodium bicarbonate, pH 8.5 Sterile water at 0.1 mg/mL
Storage condition :	Store at -20°C
Amino Acid :	MAPTRSPNPV TRPWKHVDAI KEALSLLNDM RALENEKNED VDIISNEFSI QRPTCVQTRL KLYKQGLRGN LTKLNGALTM IASHYQTNCP PTPETDCEIE VTTFEDFIKN LKGFLFDIPF DCWKPVQK

Application Note

Endotoxin: Less than 0.1 ng/Ã□Âµg (1 IEU/Ã□Âµg) as determined by LAL test.
Biological Activity was determined by FDC-P1 cell proliferation at <=20 pg/mL; >= 5.0 x 107 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 -80Ã□Â°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. Ã□Â Ã□Â



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.

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