



## RECOMBINANT MOUSE GRANULOCYTE MACROPHAGE COLONY STIMULATING FACTOR

<b>CATALOG NUMBER:</b>	GF026	<b>QUANTITY:</b>	20 µg
<b>LOT NUMBER:</b>			
<b>BACKGROUND:</b>	Granulocyte Macrophage Colony Stimulating Factor (GM-CSF) is a potent species specific stimulator of bone marrow cells. GM-CSF stimulated precursor cells of granulocytes, macrophages, and eosinophils. Murine GM-CSF is a 14.2 kDa protein containing 124 amino acid residues.		
<b>APPLICATIONS:</b>	For most in vitro applications, murine GM-CSF exerts its biological activity in the concentration range of 0.05 to 0.5 ng/mL. Responding cells are (partial list): Certain BM precursor cells.		
<b>SOURCE:</b>	<i>E. coli</i>		
<b>PURITY:</b>	Greater than 98% by SDS-PAGE and HPLC analysis. Endotoxin level is less than 0.1 ng per µg (1EU/µg) of protein.		
<b>ACTIVITY:</b>	Chemicon's mouse GM-CSF is fully biologically active when compared to standards. The ED50 as determined by the dose-dependent stimulation of the proliferation of mouse FDC-P1 cells in $\leq 0.2$ ng/mL, corresponding to a specific activity of $\geq 5 \times 10^6$ units/mg.		
<b>PRESENTATION:</b>	Sterile filtered solution lyophilized from 10mM Acetic acid.		
<b>STORAGE/HANDLING:</b>	The lyophilized mouse GM-CSF, though stable for a few weeks at room temperature, is best stored at -20°C. After a quick spin, reconstitute in water to a concentration of 0.1-1.0 mg/mL. This solution can be diluted into other buffered solutions and stored at 4°C for one week or -20°C for future use. Reconstituted mouse GM-CSF should be stored in undiluted aliquots at -20°C for up to six months.		

**Important Note:** *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

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PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

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