

# Recombinant Rat GM-CSF

<b>CATALOG #:</b>	4102-10	10 µg
	4102-1000	1 mg
<b>LOT #:</b>	_____	
<b>SOURCE:</b>	<i>E. coli</i>	
<b>PURITY:</b>	>98% by SDS-PAGE and HPLC analyses Endotoxin level is <0.1 ng per µg GM-CSF.	
<b>MOL. WEIGHT:</b>	14.5 kDa	
<b>FORM:</b>	Sterile filtered and lyophilized from 10 mM Tris, pH 8.5.	

## RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. This solution can then be diluted into other aqueous buffers or stored at 4°C for 1 week or – 20°C for future use.

## STORAGE CONDITIONS:

The lyophilized rat GM-CSF is best-stored desiccated below 0°C. Reconstituted GM-CSF should be stored in working aliquots at -20°C.

## DESCRIPTION:

Rat GM-CSF (Granulocyte Macrophage Colony Stimulating Factor) is a potent species-specific stimulator of bone marrow cells. GM-CSF stimulates precursor cells of granulocytes, macrophages and eosinophils. Recombinant rat GM-CSF is a 14.5 kDa globular protein consisting of 128 amino acid residues.

## BIOLOGICAL ACTIVITY:

The ED<sub>50</sub> determined by the dose-dependent stimulation of the proliferation of murine FDC-P1 cells is ≤0.01 ng/ml, corresponding to a specific activity of ≥1 x 10<sup>8</sup> units/mg.

**USAGE:** For Research Purpose Only. Not to be used in Humans.

## RELATED PRODUCTS:

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- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

### Cell Fractionation System

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- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

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- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

### Cell Damage & Repair

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- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

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- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

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- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
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- Cloning Insert Quick Screening Kit
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- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β-Galactosidase Staining Kit & Luciferase Reporter Assay Kit

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