

Recombinant Human G-CSF

CATALOG #:	4094-10	10 µg
	4094-1000	1 mg
LOT #:	_____	
SOURCE:	<i>E. coli</i>	
PURITY:	>98% by SDS-PAGE and HPLC analyses Endotoxin level is <0.1 ng per µg of G-CSF.	
MOL. WEIGHT:	19.7 kDa	
FORM:	Lyophilized from 5 mM Sodium Citrate, pH 4.0.	

RECONSTITUTION:

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

STORAGE CONDITIONS:

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

DESCRIPTION:

Granulocyte Colony Stimulating Factor (G-CSF) is a potent stimulator of bone marrow cells, especially those of neutrophil lineage. In addition, G-CSF can enhance the survival and activate the immunological functions of mature neutrophils. Human G-CSF is an 18.8 kDa protein containing 175 amino acid residues.

BIOLOGICAL ACTIVITY:

The ED₅₀ as determined by the dose-dependent stimulation of the proliferation of murine M-NFS-60 cells is ≤ 0.1 ng/ml, corresponding to a specific activity of ≥ 1 x 10⁸ units/mg.

FOR RESEARCH USE ONLY! Not to be used on humans.

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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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