

Recombinant Murine G-CSF

CATALOG #:	4095-10	10 µg
	4095-50	50 µg
	4095-1000	1 mg

LOT #: _____

SOURCE: *E. coli*

PURITY: >98% by SDS-PAGE and HPLC
Endotoxin level is <0.01 ng per µg of G-CSF.

MOL. WEIGHT: 19.0 kDa

FORMULATION: Sterile filtered and lyophilized from 5 mM NaCitrate, pH 4.0

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1 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:

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. Murine G-CSF is a 19.0 kDa protein containing 179 amino acid residues.

BIOLOGICAL ACTIVITY:

Determined by the dose-dependent stimulation of the proliferation of murine M-NFS-60 cells. The ED₅₀ is typically < 10-60 ng/ml.

AA Sequence:

MVPLVTVSAL PPSLPLPRSF LLKSLEQVRK IQASGSVLE QLCATYKLCH PEELVLLGHS
LGIPKASLSG CSSQALQQTQ CLSQLHSGLC LYQGLLQALS GISPALAPTL DLLQLDVANF
ATTIWQQMEN LGVAPTQPT QSAMPAFTSA FQRRAGGVLA ISYLQGFLET ARLALHHLA

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

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