

recombinant mouse Granulocyte Colony Stimulating Factor (rmG-CSF)

Recombinant protein

For research use only; not for therapeutic or *in vitro* diagnostic use

Cat. No.	Form	Volume	Quantity*
BMS323	Purified	Lyophilized	10 µg

*Bulk quantities are available on request.

Source:	<i>E. coli.</i>
Description:	Granulocyte Colony Stimulating Factor (G-CSF) is a potent stimulator of bone marrow cells, especially those of neutrophil lineage. Recombinant mouse G-CSF is a 19.0 kDa protein containing 179 amino acid residues.
Presentation:	The sterile filtered solution was lyophilized with no additives.
Purity:	Greater than 95% by SDS-PAGE and HPLC analyses.
Reconstitution:	We recommend a quick spin followed by reconstitution in water to a concentration of 0.1 - 1.0 mg/ml. This solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use.
Biological Activity:	The ED50range = 0.01 - 0.03 ng/ml, determined by the dose-dependant proliferation of mouse NFS- 60cells. The optimal concentration for each specific application should be determined by an initial does-response assay.
Storage and Stability:	The lyophilized protein is stable for a few weeks at room temperature, but best stored at -20°C. Reconstituted G-CSF should be stored in working aliquots at -20°C.

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