

## Recombinant Human Granulocyte-Colony Stimulating Factor

<b>Catalog No.</b>	CRG006A CRG006B CRG006C	<b>Quantity:</b>	2 µg 10 µg 1 mg
<b>Alternate Names:</b>	Colony Stimulating Factor 3, CSF3, CSF-beta, DF, G-CSF, GM-DF, LBGF, MGI-1G, MGI-2, NAP-IF, SCIF		
<b>Description:</b>	Recombinant human G-CSF is a single, glycosylated polypeptide chain containing 174 amino acids.		
<b>GeneID:</b>	1440		
<b>Source:</b>	CHO cells		
<b>Molecular Weight:</b>	20.0 kDa		
<b>Formulation:</b>	Lyophilized from a sterile filtered solution containing 10 mM Hydrochloric Acid, pH 6.5 + 0.4 mg Tween-20 + 100 mg mannitol + 160 mg L-arginine + 40 mg phenylalanine + 4 mg methionine		
<b>Purity:</b>	> 98.0% as determined by RP-HPLC and SDS-PAGE analyses		
<b>Endotoxin Level:</b>	< 0.1 ng/µg of G-CSF		
<b>Biological Activity:</b>	Determined by the dose-dependent proliferation of mouse NFS-60 indicator cells (measured by <sup>3</sup> H-thymidine uptake). The ED <sub>50</sub> is < 0.1 ng/ml.		
<b>Specific Activity:</b>	1.27 x 10 <sup>8</sup> IU/mg		
<b>Amino Acid Sequence:</b>	The sequence of the first five N-terminal amino acids is Thr-Pro-Leu-Gly-Pro.		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> First add sterile distilled water to the vial to fully solubilize the protein to a concentration not less than 100 µg/ml. After complete solubilization of the protein, it can be further diluted to other aqueous solutions.		
<b>Storage &amp; Stability:</b>	Store lyophilized protein at -20°C to -80°C. Reconstituted protein is stable for 1 week at 2-4°C. For long term storage, aliquot and store at -20°C to -80°C with a carrier protein (0.1% HSA or BSA) as a stabilizer. <b>Please note that the addition of any carrier protein into this product may produce unwanted endotoxin. This depends upon the particular application employed. Avoid repeated freeze-thaw cycles.</b>		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

