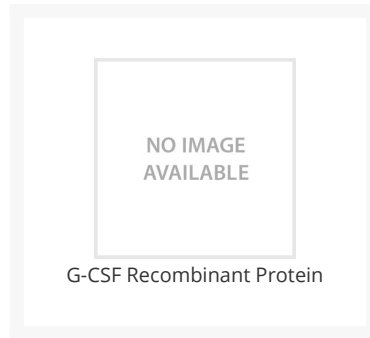




# G-CSF Recombinant Protein

Cat. No.: 40-706



## Ψ Specifications

<b>SPECIES:</b>	Rat
<b>SOURCE SPECIES:</b>	E. coli
<b>SEQUENCE:</b>	MKKIPLLTVS SLPPSLPLPR SFLLKSLEQV RKIQRNTEL LEQLCATYKL CHPEELVLFG HSLGIPKASL SSCSSQALQQ TKCLSQLHSG LFLYQGLLQA LAGISSELAP TLDMLHLDVD NFATTIWQQM ESLGVAPTQVQ PTQSTMPIFT SAFQRRAGGV LVTSYLQSFLETAHHALHHL PRPAQKHFPE SLFISI

## Ψ Properties

<b>PURITY:</b>	≥ 98% by SDS-PAGE gel and HPLC analyses.
<b>PHYSICAL STATE:</b>	Lyophilized
<b>STORAGE CONDITIONS:</b>	The recombinant protein is stable for at least 2 years from date of receipt at -20 °C. Reconstituted protein is stable for at least 3 months when stored in working aliquots with a carrier protein at -20 °C. As with any protein, exposing the recombinant protein to repeated freeze / thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.

## Ψ Additional Info

<b>OFFICIAL SYMBOL:</b>	Csf3
<b>ALTERNATE NAMES:</b>	Granulocyte Colony-Stimulating Factor, CSF-3, MGI-1G, GM-CSF $\beta$ , pluripoietin
<b>GENE ID:</b>	25610

## Background and References

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<b>BACKGROUND:</b>	G-CSF is a hematopoietic growth factor that stimulates the development of committed progenitor cells to neutrophils and enhances the functional activities of the mature end-cell. It is produced in response to specific stimulation by a variety of cells, including macrophages, fibroblasts, endothelial cells and bone marrow stroma. G-CSF is being used clinically to facilitate hematopoietic recovery after bone marrow transplantation. Recombinant Rat G-CSF is a 21.6 kDa protein consisting of 196 amino acid residues.
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