

**Recombinant Rat G-CSF**  
**Catalog # PBG10130****Specification**

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**Recombinant Rat G-CSF - Product Information****Recombinant Rat G-CSF - Additional Information****Description**

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.

**Biological Activity**

Determined by its ability to stimulate the proliferation of M NFS-60 cells. The expected ED<sub>50</sub> is ≤ 0.05 ng/ml, corresponding to a specific activity of ≥ 2 x 10<sup>7</sup> units/mg.

**Authenticity**

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

**Endotoxin**

Endotoxin level is <0.1 ng/ µg of protein (<1EU/ µg).

**Protein Content**

Verified by UV Spectroscopy and/or SDS-PAGE gel.

**Storage**

-20°C

**Precautions**

Recombinant Rat G-CSF is for research use only and not for use in diagnostic or therapeutic procedures.

**Recombinant Rat G-CSF - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)

- [Cell Culture](#)

## **Recombinant Rat G-CSF - Images**