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Recombinant Rat G-CSF
Catalog # PBG10130

Specification

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.

BiologicalActivity
Determined by its ability to stimulate the proliferation of M NFS-60 cells. The expected ED₅₀ is ≤ 0.05 ng/ml, corresponding to a specific activity of ≥ 2 x 10⁷ 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 Cytomety

- Cell Culture

Recombinant Rat G-CSF - Images