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Animal-Free Recombinant Human G-CSF
Catalog # PBG10544

Specification

Animal-Free Recombinant Human G-CSF - Product Information

Animal-Free Recombinant Human 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. Human and murine G-CSF are cross-species reactive. Recombinant human G-CSF is an 18.7 kDa protein consisting of 174 amino acid residues.

BiologicalActivity
The ED₅₀ as determined by the dose-dependent stimulation of the proliferation of murine NFS-60 cells is ≤ 0.1 ng/ml, corresponding to a specific activity of ≥ 1 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
Animal-Free Recombinant Human G-CSF is for research use only and not for use in diagnostic or therapeutic procedures.

Animal-Free Recombinant Human 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

Animal-Free Recombinant Human G-CSF - Images