10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

G-CSF

Catalog # PVGS1258

Specification

G-CSF - Product Information

Primary Accession P97712

Species
Rat

Sequence
Ile22-Ile214

Purity
> 95% as analyzed by SDS-PAGE
> 95% as analyzed by HPLC

Endotoxin Level
< 0.2 EU/ µg of protein by gel clotting method

Biological Activity
ED₅₀ < 5.0 pg/ml, measured in a cell proliferation assay using NFS-60 cells.

Expression System
HEK 293

Formulation **Lyophilized after extensive dialysis against PBS.**

Reconstitution
It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH_2O or PBS up to 100 µg/ml.

Storage & Stability
Upon receiving, this product remains stable for up to 6 months at lower than -70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.

G-CSF - Additional Information

Target Background
Among the family of colony-stimulating factors, Granulocyte Colony-Stimulating Factor (G-CSF) is the most potent inducer of terminal differentiation of leukemic myeloid cell lines into granulocytes and macrophages. G-CSF synthesis can be induced by bacterial endotoxins, TNF, Interleukin-1 and GM-CSF. Prostaglandin E2 inhibits G-CSF synthesis. In epithelial, endothelial, and fibroblastic cells, secretion of G-CSF is induced by Interleukin-17.

G-CSF - Protein Information

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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

G-CSF - Images