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Tel: 858.875.1900 Fax: 858.875.1999

G-CSF

Catalog # PVGS1234

Specification

G-CSF - Product Information

Primary Accession Q8N4W3

Species
Human

Sequence
Thr27-Pro200, expressed with an N-terminal Met

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 < 0.1 ng/ml, measured by a cell proliferation assay of M-NFS-60 cells, corresponding to a specific activity of > 1.0 × 10⁷ IU/mg.

Expression System
E. coli

Formulation **Lyophilized after extensive dialysis against 25 mM Tris, pH 8.0.**

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

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G-CSF - Protein Information

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