

GM-CSF

Catalog # PVGS1052

Specification

GM-CSF - Product Information

Primary Accession **Species**Rhesus Macaque

Q9GL44

Sequence

Ala18-Glu144

Purity

> 98% as analyzed by SDS-PAGE
br>> 98% as analyzed by HPLC

Endotoxin Level

< 1 EU/ µg of protein by LAL method

Biological Activity

Fully biologically active when compared to standard. The ED₅₀ as determined by a cell proliferation assay using human TF-1 cells is less than 0.1 ng/ml, corresponding to a specific activity of $> 1.0 \times 10 < \text{sup} > 7 < / \text{sup} > 1 \text{U/mg}$.

Expression System

E. coli

Theoretical Molecular Weight

14.4 kDa

Formulation

Lyophilized from a 0.2 μm filtered solution in PBS, pH 7.4.

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 sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml.

Storage & Stability

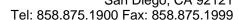
Upon receiving, this product remains stable for up to 6 months at -70 $^{\circ}$ C or -20 $^{\circ}$ C. Upon reconstitution, the product should be stable for up to 1 week at 4 $^{\circ}$ C or up to 3 months at -20 $^{\circ}$ C. Avoid repeated freeze-thaw cycles.

GM-CSF - Additional Information

Target Background

Granulocyte Macrophage-Colony Stimulating Factor (GM-CSF) was initially characterized as a growth factor that can support the in vitro colony formation of granulocyte-macrophage progenitors. Granulocyte Macrophage-Colony Stimulating Factor (GM-CSF) is produced by a number of different cell types, including activated T cells, B cells, macrophages, mast cells, endothelial cells, and fibroblasts, in response to cytokine of immune and inflammatory stimuli.







Besides granulocyte-macrophage progenitors, Granulocyte Macrophage-Colony Stimulating Factor (GM-CSF) is a growth factor for erythroid, megakaryocyte, and eosinophil progenitors. On mature hematopoietic, monocytes/macrophages and eosinophils. Additionally, Granulocyte Macrophage-Colony Stimulating Factor (GM-CSF) can stimulate the proliferation of a number of tumor cell lines, including osteogenic sarcoma, carcinoma, and adenocarcinoma cell lines.

GM-CSF - Protein Information

GM-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

GM-CSF - Images