

Datasheet for ABIN987887 GM-CSF Protein



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Overview

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|----------------------|----------------------------|
| Quantity: | 1 mg |
| Target: | GM-CSF (CSF2) |
| Origin: | Rhesus Monkey |
| Source: | Escherichia coli (E. coli) |
| Biological Activity: | Active |

Product Details

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|------------------|---|
| Sequence: | APARSPSPGT QPWEHVNAIQ EARRLLNLSR DTADEMNTV EVVSEMF DLQ EPSC LQTRLE LYKQLQGS LTKLKGPLTMM ASHYKQHCPP TPETSCATQI ITFQSFKENL KDFLLVIPFD CWEPVQ |
| Characteristics: | Fully biologically active when compared to standard. The ED50 as calculated by the dose-dependent stimulation of the proliferation of human TF-1 cells is less than 0.1 ng/ml, corresponding to aof 1.0×10 ⁷ IU/mg |
| Purity: | > 98 % by SDS-PAGE and HPLC analyses. |
| Endotoxin Level: | Level Less than 1EU/μg of rRhGM-CSF as determined by LAL method |

Target Details

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|-------------------|--|
| Target: | GM-CSF (CSF2) |
| Alternative Name: | Granulocyte Macrophage Colony Stimulating Factor (GM-CSF) (CSF2 Products) |
| Background: | GM-CSF was initially characterized as a growth factor that can support the in vitro colony formation of granulocyte-macrophage progenitors. It is produced by a number of different cell |

Target Details

types (including activated T cells, B cells, macrophages, mast cells, endothelial cells and fibroblasts) in response to cytokine or immune and inflammatory stimuli. Besides granulocyte-macrophage progenitors, GM-CSF is also a growth factor for erythroid, megakaryocyte and eosinophil progenitors. On mature hematopoietic cells, GM-CSF is a survival factor for and activates the effector functions of granulocytes, monocytes/macrophages and eosinophils. Synonym: Granulocyte Macrophage Colony Stimulating Factor (GM-CSF), Rhesus Macaque. Formulation: Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.

Molecular Weight: Approximately 14.4 kDa, a single non-glycosylated polypeptide chain containing 127 amino acids.

Pathways: [JAK-STAT Signaling](#), [Cellular Response to Molecule of Bacterial Origin](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at

Storage: 4 °C