
Product Data Sheet

Product Name: GCSF Monkey
 Cat. No.: GP26027
 Batch No.: 1

Product Data

| | | | |
|---------------------|---|--------------------|-------------------|
| Purity | >98% | Source | Escherichia Coli. |
| Physical Appearance | solid | Shipping Condition | atRoomtemp. |
| Synonyms | CSF3, MGI-1G, GM-CSF beta, Pluripoietin, G-CSF, GCSF. | | |
| Amino Acid Sequence | TPLGPASSLP QSFLKCLEQ VRKIQGDGAA LQEKLCATYK LCHPEELVLL RHSLGIPWAP LSSCPSQALQ LTGCLSQLHS SLFLYQGILLQ ALEGISPELS PTLDTLQLDI ADFATTIWQQ MEDLGMAPAL QPTQGAMPAF TSAFQRRAGG VLVASHLQRF LELAYRVLRH LAQS. | | |
| Solubility | It is recommended to reconstitute the lyophilized Granulocyte Colony Stimulating Rhesus Macaque in sterile 18MΩ-cm H ₂ O not less than 100μg/ml, which can then be further diluted to other aqueous solutions. | | |
| Formulation | Lyophilized from a 0.2μm filtered concentrated solution in PBS, pH7.4. | | |

Introduction

GCSF is a cytokine that controls the production, differentiation, and function of granulocytes. The active protein is found extracellularly. 3 transcript variants encoding 3 different isoforms have been found for the GCSF gene. Granulocyte/macrophage colony-stimulating factors are cytokines that take part in hematopoiesis by controlling the production, differentiation, and function of 2 related white cell populations of the blood, the granulocytes and the monocytes-macrophages. This csf induces granulocytes.

Biological Activity

The ED₅₀ as determined by a cell proliferation assay using murine NFS-60 cells is < 0.05 ng/ml, corresponding to a specific activity of > 2.0 × 10⁷ IU/mg.

Stability

Lyophilized GCSF although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Granulocyte Colony Stimulating Rhesus

Caution: Product has not been fully validated for medical applications. For research use only.

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Macaque should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

Background

Granulocyte Colony Stimulating Rhesus Macaque Recombinant produced in E.Coli is a non-glycosylated polypeptide chain containing 174 amino acids and having a molecular mass of approximately 18.9kDa. GCSF is purified by proprietary chromatographic techniques.

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