

Monkey GCSF Recombinant Protein



RPPB0323

Product Information Protein Information

Product SKU:

RPPB0323

Accession:

P09919

Host:

Escherichia Coli.

Protein description:

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.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

CSF3, MGI-1G, GM-CSF beta, Pluripoietin, G-CSF, GCSF.

Formulation:

Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH7.4.

Purity:

Greater than 98.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized Granulocyte Colony Stimulating Rhesus Macaque in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized GCSF although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Granulocyte Colony Stimulating Rhesus Macaque should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

Amino Acid Sequence:

TPLGPASSLP QSFLKCLEQ VRKIQGDGAA LQEKLCATYK LCHPEELVLL RHSLGIPWAP LSSCPSQALQ
LTGCLSQLHS SLFLYQGLLQ ALEGISPELS PTLDTLQLDI ADFATTIWQQ MEDLGMAPAL QPTQGAMPAF
TSAFQRRAGG VLVASHLQRF LELAYRVL RH LAQS.

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.