

Rat GCSF Recombinant Protein



RPPB0322

Product Information Protein Information

Product SKU:

RPPB0322

Accession:

P97712

Host:

Escherichia Coli.

Protein description:

GCSF Rat Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 195 amino acids and having a molecular mass of 21.5kDa. The G-CSF is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Granulocyte colony stimulating factor, Protein Csf3, Csf3.

Formulation:

Lyophilized from a 0.2µm filtered solution in 5mM Sodium Citrate, pH 4.0.

Purity:

Greater than 97.0% as determined by:(a)Analysis by RP-HPLC.(b)Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized GCSF in sterile 18M-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized G-CSF although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution GCSF should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Amino Acid Sequence:

KKIPLLVSS LPPSLPLRS FLLKSLEQVR KIQARNTLL EQLCATYKLC HPEELVLF GH SLGIPKASLS
SCSSQALQQT KCLSQLHSG L FLYQGLLQAL AGISSELAPT LDMLHLDVDN FATTIWQQME SLGVAPTVP
TQSTMPIFTS AFQRRAGGVL VTSYLQSFLE TAHHALHHLP RPAQKHPES LFISI.

Biological Activity:

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