

Mouse G CSF Recombinant Protein



RPPB0321

Product Information Protein Information

Product SKU:

RPPB0321

Accession:

P09920

Host:

Escherichia Coli.

Protein description:

Granulocyte Colony Stimulating Factor Mouse Recombinant produced in E.coli is a single, non-glycosylated, polypeptide chain containing 178 amino acids and having a molecular mass of approximately 18.9kDa. G-CSF 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:

G-CSF Lyophilized from 10mM NaCitrate, pH 4.0 and 150mM NaCl.

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 Factor in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized Granulocyte Colony Stimulating Factor 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:

VPLVTVSAL PPSLPLPRSF LLKSLEQVRK IQASGSVLE QLCATYKLCH PEELVLLGHS LGIPKASLSG
CSSQALQQTQ CLSQLHSGLC LYQGLLQALS GISPALAPTL DLLQLDVANF ATTIWQQMEN LGVAPTVQPT
QSAMPAFTSA FQRRAGGVLA ISYLQGFLET ARLALHHLA.

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 x 107IU/mg.