

Human G CSF Recombinant Protein



RPPB0319

Product Information Protein Information

Product SKU:

RPPB0319

Accession:

P09919

Host:

Escherichia Coli.

Protein description:

Granulocyte Colony Stimulating Factor Human Recombinant produced in E.coli is a single, non-glycosylated, polypeptide chain containing 175 amino acids and having a molecular mass of 18.8kDa. The Pegylated G-CSF is produced by attaching a 20kDa methoxypolyethylene glycol propionaldehyde (mPEG-ALD) to the N-terminal amino acid of G-CSF giving a total molecular mass of 38.8kDa. G-CSF is purified by proprietary chromatographic techniques.

Appearance:

Colorless, clear and transparent solution.

Synonyms:

CSF-3, MGI-1G, GM-CSF beta, Pluripoietin, Filgrastim, Lenograstim, G-CSF, MGC45931, GCSF.

Formulation:

G-CSF is supplied in solution (0.69mg/ml) containing 10mM Acetate Buffer (pH 4.0), and 0.004% Polysorbate 80.

Purity:

Greater than 95.0% as determined by SEC-HPLC.

Stability:

G-CSF PEG should be stored refrigerated at 2° to 8°C. Vials should be kept in their packaging to protect from light until the time of use. Shaking and freezing should be avoided.

Biological Activity:

The ED50, calculated by the dose-dependent proliferation of murine NFS-60 indicator cells is less than 0.1 ng/ml, corresponding to a Specific Activity of 10,000,000IU/mg.