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32-1253: G CSF PEG Recombinant Protein

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

Description

Source : Escherichia Coli. 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. GCSF is a cytokine that controls the production, differentiation, and function of granulocytes. The active protein is found extracellularly. Three transcript variants encoding three different isoforms have been found for this gene. Granulocyte/macrophage colony-stimulating factors are cytokines that act 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.

Product Info

Amount :	10 µg
Purification :	Greater than 95.0% as determined by SEC-HPLC.
Content :	G-CSF is supplied in solution (0.69mg/ml) containing 10mM Acetate Buffer (pH 4.0), and 0.004% Polysorbate 80.
Storage condition :	G-CSF PEG should be stored refrigerated at 2° to 8°C. Vials should be kept in theirpackaging to protect from light until the time of use. Shaking and freezing should be avoided.

Application Note

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.