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32-1252: G CSF CHO Recombinant Protein

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

Description

Source : Chinese Hamster Ovary Cells (CHO). Granulocyte Colony Stimulating Factor Human Recombinant produced in CHO cells is a single, glycosylated, polypeptide chain containing 174 amino acids and having a molecular mass of approximately 18 kDa.G-CSF is purified by proprietary chromatographic techniques. Granulocyte Colony Stimulating Factor is a growth factor and/or cytokine produced by the endothelium, macrophages and a number of other immune cells. GCSF stimulates the bone marrow to produce granulocytes and also to stimulate the survival, proliferation, differentiation and function of neutrophil granulocyte progenator cells and mature neutrophils.

Product Info

Amount :	10 µg
Purification :	Greater than 97.0% as determined by:a) Analysis by RP-HPLC.b) Analysis by SDS-PAGE.
Content :	G-CSF was lyophilized from a concentrated (1mg/ml) Phosphate- Buffered Saline, pH 7.4.
Storage condition :	Lyophilized Granulocyte Colony Stimulating Factor although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution G-CSF 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 :	TPLGPASSLP QSFLLKCLEQ VRKIQGDGAA LQEKLCATYK LCHPEELVLL GHSLGIPWAP LSSCPSQALQ LAGCLSQLHS GLFLYQGLLQ ALEGISPELG PTLDTLQLDV ADFATTIWQQ MEELGMAPAL QPTQGAMPAF ASAFQRRAGG VLVASHLQSF LEVSYRVLRH LAQP.

Application Note

It is recommended to reconstitute the lyophilized Granulocyte Colony Stimulating Factor in sterile 18MÃ□Â©-cm H2O not less than 100Ã□Âµg/ml, which can then be further diluted to other aqueous solutions. The ED50, calculated by the dose-dependant proliferation of murine NFS-60 indicator cells (measured by 3H-thymidine uptake) is < 0.07 ng/ml, corresponding to a Specific Activity of 1.27 x 108 IU/mg.