Active GMP Recombinant Human G-CSF Protein

Cat. No. G-CSF-01HG **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human G-CSF protein, was expressed in CHO-K1 cell-derived in an animal component free process under cGMP guidelines.
Species	Human
Source	CHO
Description	Granulocyte colony-stimulating factor (G-CSF) is a glycoprotein that is mainly produced by endotoxin, TNF-α and IFN-γ activatable monocytes and macrophages. Recombinant human granulocyte colony-stimulating factor (rhG-CSF) acts on hematopoietic progenitor cells to promote their proliferation and differentiation. Its important role is to stimulate granulocyte and monocyte macrophage maturation, promote the release of mature cells into peripheral blood, and promote multiple functions of macrophages and acidophilic cells.
Form	Lyophilized powder
Endotoxin	<20 EU/mg
Bio-activity	>1.0 x 10^7 IU/mg
Purity	>98.0% by high performance liquid chromatography (SEC-HPLC) and SDS-PAGE.
Storage Buffer	10mM Phosphate-Buffered Saline (pH 7.2)

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Storage	Stable storage at 4℃ for 7-10 days; for long-term storage, please store at -20℃ after dispensing.
Sterility	Sterility
Instructions	It is recommended that lyophilized GMP rhG-CSF be dissolved in water for injection or sterilized ultrapure water at a concentration of not less than 100 μg/ml, pending further dilution to working concentration.

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