

32-20133: Recombinant Human G-CSF(Discontinued)

Reactivity : Human, Monkey, Mouse, Pig

Alternative Name : Granulocyte Colony-Stimulating Factor, CSF-3, MGI-1G, GM-CSF beta, pluripoietin

Description

Source: **E.coli** G-CSF is a hematopoietic growth factor that stimulates the development of committed progenitor cells to neutrophils and enhances the functional activities of the mature end-cell. It is produced in response to specific stimulation by a variety of cells, including macrophages, fibroblasts, endothelial cells and bone marrow stroma. G-CSF is being used clinically to facilitate hematopoietic recovery after bone marrow transplantation. Human and murine G-CSF are cross-species reactive. Recombinant Human G-CSF is an 18.7 kDa protein consisting of 174 amino acid residues.

Product Info

Amount : 2 µg / 10 µg

Purification : Purity: $\geq 98\%$ by SDS-PAGE gel and HPLC analyses.

Content : This recombinant protein is supplied in lyophilized form.

Amino Acid : TPLGPASSLP QSFLKCLEQ VRKIQGDGAA LQEKLCATYK LCHPEELVLL GHSLGIPW APLSSCPSQA
LQLAGCLSQL HSGFLYQGL LQALEGISPE LG PTLDLTL QLDVADFATT IWQQMEELGM APALQPTQGA
MPAFASAFQR RAGG VLVA SHLQSFLEVS YRVLRLHAQP

Application Note

The ED_{50} as determined by the dose-dependent stimulation of the proliferation of murine NFS-60 cells is ≤ 0.1 ng/ml, corresponding to a specific activity of $\geq 1 \times 10^7$ units/mg.