

32-20134: Animal-Free Recombinant Human G-CSF(Discontinued)

Reactivity : Human, Mouse

Alternative Name : Granulocyte Colony-Stimulating Factor, CSF-3, MGI-1G, GM-CSFBeta , 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 LQEKLCA^{TYK} LCHPEELVLL GHSLGIPWAP LSSCPSQALQ
LAGCLS^{QLHS} GLFLYQGLLQ ALEGISPELG PTLDTLQLDV ADFATTIWQQ MEELGMAPAL QPTQGAMPAF
ASAFQRRAGG VLVASHLQSF LEVSYR^{VL}RH LAQP

Application Note

Determined by its ability to stimulate the proliferation of mouse NFS-60 cells. The expected ED_{50} is ≤ 0.1 ng/ml, corresponding to a specific activity of $\geq 1 \times 10^7$ units/mg.