

## 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 LQEKLCATYK LCHPEELVLL GHSLGIPWAP LSSCPSQALQ  
LAGCLSQLHS GLFLYQGLLQ ALEGISPELG PTLDTLQLDV ADFATTIWQQ MEELGMAPAL QPTQGAMPAF  
ASAFQRRAGG VLVASHLQSF LEVSYRVLRH LAQP

### Application Note

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