

32-20136: Animal-Free Recombinant Murine G-CSF(Discontinued)

Reactivity : Mouse, Rat

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 is cross-species reactive. Recombinant Murine G-CSF is a 19.0 kDa protein consisting of 179 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 : MVPLVTVSAL PPSLPLPRSF LLKSLEQVRK IQASGSVLE QLCATYKLCH PEELVLLGHS LGIPKASLSG
CSSQALQQTQ CLSQLHSGLC LYQGLLQALS GISPALPTL DLLQLDVANF ATTIWQQMEN LGVAPTVQPT
QSAMPAFTSA FQRRAGGVLA ISYLGFFLET ARLALHHLA

Application Note

Determined by its ability to stimulate the proliferation of mouse NFS-60 cells. The expected ED_{50} is ≤ 0.05 ng/ml, corresponding to a specific activity of $\geq 2 \times 10^7$ units/mg.