

32-20137: Recombinant Rat G-CSF(Discontinued)

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. Recombinant Rat G-CSF is a 21.6 kDa protein consisting of 196 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 : MKKIPLLTVS SLPPSLPLPR SFLKLSLEQV RQIQARNTL LEQLCATYKL CHPEELVLFG HSLGIPKASL
SSCSSQALQQ TKCLSQLHSG LFLYQGLLQA LAGISSELAP TLDMLHLDVD NFATTIWQQM ESLGVAPTQV
PTQSTMPIFT SAFQRRAGGV LVTSYLQSFL ETAHHALHHL PRPAQKHFPE SLFISI

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.