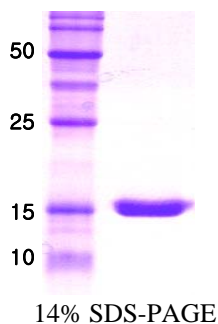


Product: Granulocyte-Colony Stimulating Factor, GCSF
Human Recombinant
Catalog #: 01-2237
Amount: 50 µg

SOURCE: Recombinant, E. coli
DESCRIPTION: Human granulocyte colony-stimulating factor(hG-CSF) is one of the hematopoietic growth factors which plays an important role in stimulating proliferation, differentiation, and functional activation of blood cells.
In addition to its effect on hematopoiesis, G-CSF also enhances neutrophil functions against bacteria, fungi, and tumor cells mediated by antibody-dependent cell-mediated cytotoxicity.
Recombinant hG-CSF was expressed in E.coli and purified by FPLC gel-filtration chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.

AA Sequence:

MTPLGPASSL PQSFLKCLE QVRKIQGDGA ALQEKLCATY
KLCHPEELVL LGHSLGIPWA PLSSCPSQAL QLAGCLSQLH
SGLFLYQGLL QALEGISPEL GPTLDTLQLD VADFATTIWQ
QMEELGMAPA LQPTQGAMPA FASAFQRRAG GVLVASHLQS
FLEVSYRVLR HLAQP



PURITY: ≥ 95% by SDS PAGE
MOLECULAR WEIGHT: 18.8 kDa (175 amino acids including N-terminal methionine)
PRESENTATION: Purified, Phosphate-Buffered Saline (PBS), pH7.4
STORAGE/STABILITY: -20°C (aliquot), Avoid repeated freeze and thaw cycles.

Reference:

Nomura H, et al.(1986) EMBO J , 5(5): 871-6
Nagata, S., et al.(1986) Nature, 319 : 415-418
Demetri, G. D., et al.(1991) Blood, 78: 2791-2808
Hill, C. P., et al (1993) Proc. Natl. Acad. Sci. USA, 90:5167-5171

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