

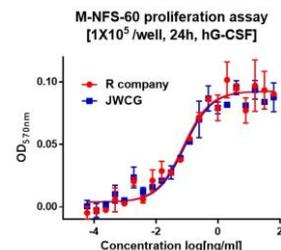
DATA SHEET

Product Information

Product Name	: Recombinant Human Granulocyte Colony-Stimulating Factor (rhG-CSF)
Synonyms	: GCSF, CSF-3, MGI-1G, pluripoietin, GM-CSF beta
Description	: G-CSF is a glycoprotein that stimulates the bone marrow to produce granulocytes and stem cells and release them into the bloodstream. Functionally, it is a cytokine and hormone, a type of colony-stimulating factor, and is produced by endothelium, macrophages, and a number of other immune cells. The pharmaceutical analogs of naturally occurring G-CSF are called filgrastim and lenograstim. G-CSF also stimulates the survival, proliferation, differentiation, and function of neutrophil precursors and mature neutrophils. (Ref. From Wikipedia)
NCBI Accession No.	: NM_172219.2
Amino acid sequence	: MTPLGPASSLPQSFLKCLEQVRKIQGDGAALQEKLCATYKLCCHPEELVLLG HSLGIPWAPLSSCPSQALQLAGCLSQLHSGFLYQGLLQALEGISPELGPTL DTLQLDVADFATTIWQOMEELGMAPALQPTQGAMPAFASAFQRRAGGVLVAS HLQSFLEVSYRVLRLHLAQP*
Molecular Mass	: 18.8kDa (175 aa)
Protein Tags	: No tagging
Source	: <i>E. coli</i> .
Cat. No.	: JW-H021-0010, JW-H021-0025, JW-H021-0100, JW-H021-0250, JW-H021-0500, JW-H021-1000
Storage	: Should be at ≤ -70 °C as undiluted aliquots of handy size. Avoid repeated freezing and thawing.
Cross Reactivity	: Human, Mouse, Monkey, Pig

Quality Control

Test items	Specifications
Appearance	: Clear, colorless liquid
Purity	: Greater than 98 % by RP-HPLC and SDS-PAGE(reducing conditions)
Specificity	: Using Western blot, detection
Concentration	: 0.1 mg/ml, Bradford method Determined by proliferation of M-NFS-60 indicator cells.
Biological Activity	: The ED50 is ≤ 60 pg/ml corresponding to a specific activity of $\geq 1.6 \times 10^7$ U/mg.
Endotoxin	: Less than 0.1 EU/ μ g as determined by the LAL method
Formulation	: 25mM Sodium acetate, 5% Glycerol (pH 4.5) without preservative or carrier proteins.
Stability	: Stable for up to 12 months at -70 °C. Stable for a month at 4 °C.
Sterility	: Sterilized through a 0.2μ m membrane filter and packaged aseptically. Culture for 2 weeks, no growth



Manufacturer : **JW CreaGene Inc.**
 FL2, Jungang induspia V, 138-6, Sangdaewon-dong, Jungwon-gu, Seongnam-si,
 Gyeonggi-do, South Korea (462-120)
 Tel: 82-31-737-3310, Fax: 82-31-737-3301