

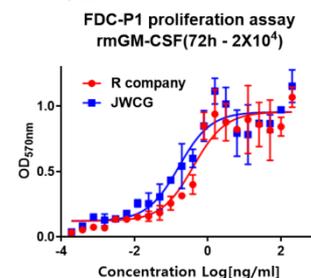
DATA SHEET

Product Information

Product Name	: Recombinant Mouse Granulocyte Macrophage Colony Stimulating Factor (rmGM-CSF)
Synonyms	: Colony-stimulating factor (CSF)
Description	: Recombinant Mouse GM-CSF produced in <i>E. coli</i> is a non-glycosylated 14 kDa protein containing 125 amino acids. GM-CSF produced by monocytes, T-lymphocytes, endothelial cells and fibroblasts. It is a hematopoietic growth factor that stimulates the development of macrophages and neutrophils and promotes the proliferation of early erythroid megakaryocytes.
NCBI Accession No.	: NM_009969.4
Amino acid sequence	: MAPTRSPITVTRPWKHVEAIKEALNLLDDMPVTLNEEVEVVSNEFSFKKLTICVQTRLKIFEQGLRGNF TKLKGALNMTASYQTYCPPTPETDCETQVTTYADFIDSLKTFLLTDIPFECKKPGQK
Molecular Mass	: 14.21 kDa (125 aa)
Protein Tags	: No tagging
Source	: <i>E. coli</i> .
Cat. No.	: JW-M001-0010, JW-M001-0025, JW-M001-0050, JW-M001-0100, JW-M001-0250, JW-M001-0500, JW-M001-1000
Storage	: Should be at ≤ -70 °C as undiluted aliquots of handy size. Avoid repeated freezing and thawing.
Cross Reactivity	: Rat

Quality Control

Test items	Specifications
Appearance	: Clear, colorless liquid
Purity	: Greater than 98 % by RP-HPLC and SDS-PAGE
Specificity	: Using Western blot, detection
Concentration	: 0.1 mg/ml, Bradford method
Biological Activity	: Determined by measuring the proliferation of murine FDC-P1 indicator cells. The ED ₅₀ is < 0.1 ng/ml, corresponding to a specific activity of > 1.0 × 10 ⁷ U/mg.
Endotoxin	: Less than 0.2 EU/μg as determined by the LAL method
Formulation	: PBS, 5% glycerol (pH 7.4) 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 0.2 μm 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