

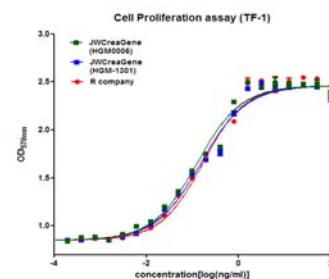
DATA SHEET

Product Information

Product Name	: Recombinant Human Granulocyte Macrophage Colony Stimulating Factor (rhGM-CSF)
Synonyms	: Colony-stimulating factor (CSF)
Description	: Recombinant human GM-CSF produced in <i>E. coli</i> is a non-glycosylated 14 kDa protein containing 127 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_000758.3
Amino acid sequence	: MAPARSPSPSTQPWEHVNAIQEARRLLNLSRDTAEMNETVEVISEMFDLQ EPTCLQTRLELYKQGLRGSLTKLKGPLTMMASHYKQHCPTPETSCATQII TFESFKENLKDPELLVIPFDCWEPVQE
Molecular Mass	: 14.57 kDa (128 aa)
Protein Tags	: No tagging
Source	: <i>E. coli</i> .
Cat. No.	: HGM-10, HGM-25, HGM-50, HGM-100, HGM-250, HGM-500
Storage	: Should be at ≤ -70 °C as undiluted aliquots of handy size. Avoid repeated freezing and thawing.
Cross Reactivity	: Mouse, Pig

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 Determined by measuring the proliferation of murine TF-1 indicator cells.
Biological Activity	: The ED ₅₀ is < 0.2 ng/ml, corresponding to a specific activity of > 5.0 × 10 ⁶ U/mg.
Endotoxin	: Less than 0.2 EU/μg as determined by the LAL method
Formulation	: PBS (pH 7.0-8.0) 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



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