

CSF2

Recombinant Human GM-CSF / CSF2 (His Tag)

Catalog No.	CRG107A CRG107B CRG107C	Quantity:	2 µg 10 µg 1 µg
Alternate Names:	Granulocyte-macrophage colony-stimulating factor, GM-CSF, Colony stimulating factor, CSF2		
Description:	<p>GMCSF is a cytokine that controls the production, differentiation, and function of granulocytes and macrophages. The active form of the protein is found extracellularly as a homodimer. This gene has been localized to a cluster of related genes at chromosome region 5q31, which is known to be associated with interstitial deletions in the 5q-syndrome and acute myelogenous leukemia. Other genes in the cluster include those encoding interleukins 4, 5, and 13.</p> <p>GM-CSF stimulates the growth and differentiation of hematopoietic precursor cells from various lineages, including granulocytes, macrophages, eosinophils and erythrocytes.</p>		
UniProt ID:	P04141		
Gene ID:	1437		
Source:	Sf9 Insect Cells		
Molecular Mass:	14.6 kDa (127 aa, 18-144) monomer		
Formulation:	Lyophilized from sterile-filtered PBS.		
Purity:	Greater than 98.0% as determined by SDS-PAGE.		
Purification:	GM-CSF is fused to a C-terminal His -tag (6x His) and purified by proprietary chromatographic techniques.		
Biological Activity:	ED ₅₀ ≤ 0.1 ng/m, determined by the dose-dependant proliferation of human TF-1 cells (human erythroleukemic indicator cell line).		
Specific Activity:	≥ 10 ⁷ IU/mg		
N-terminal Sequence:	The sequence of the first five N-terminal amino acids was determined and was found to be Ala-Pro-Ala-Arg-Ser.		
Reconstitution:	Reconstitute in sterile-filtered deionized water at ≥ 0.1 mg/ml. It is recommended to add a carrier protein such as 0.1% BSA.		
Storage & Stability:	<p>Upon receipt store at -20°C to -80°C. Upon reconstitution, store at 2-8°C for up to 1 week or in working aliquots at -20°C to -80°C.</p> <p>Avoid repeated freeze-thaw cycles.</p>		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

