



Recombinant Mouse GM-CSF

20180503BB



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	M10-238S
Size:	5 µg
Lot. No.:	According to product label

Sequence

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MAPTRSPITV TRPWKHVEAI KEALNLLDDM PVTLNEEVEV  
VSNEFSFKKL TCVQTRLKIF EQGLRGNFTK LKGALNMTAS  
YYQTYCPPTP ETDCEQVTT YADFIDSLKT FLTDIPFECK KPVQK
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Database References

Protein RefSeq:	NP_034099.2
Uniprot ID:	P01587
mRNA RefSeq:	NM_009969.4

Scientific Background

Gene-ID (NCBI):	12981
Synonyms:	Granulocyte Macrophage Colony-Stimulating Factor, CSF-2, MGI-1GM, pluripoietin-alpha

GM-CSF is a hematopoietic growth factor that stimulates the development of neutrophils and macrophages and promotes the proliferation and development of early erythroid megakaryocytic and eosinophilic progenitor cells. It is produced in endothelial cells, monocytes, fibroblasts and T-lymphocytes. GM-CSF inhibits neutrophil migration and enhances the functional activity of the mature end-cells. The human and murine molecules are species-specific and exhibit no cross-species reactivity. Recombinant murine GM-CSF is a 14.2 kDa globular protein consisting of 125 amino acid residues.

Product Specifications

Expressed in	E. coli
Purity	> 98% by SDS-PAGE & HPLC analyses
Endotoxin level	< 0.1 ng/µg of protein (<1EU/µg).
Formulation	lyophilized
Length (aa):	125
MW:	14.2 kDa



AVOID REPEATED FREEZE AND THAW CYCLES!

Biological Activity: The ED₅₀ as determined by the dose-dependent stimulation of the proliferation of murine FDC-P1 cells is ≤ 0.05 ng/ml, corresponding to a specific activity of ≥ 2 x 10⁷ units/mg.