

GM-CSF active protein

Mouse GM-CSF

CATALOG # AAA79155	HOST E Coli
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PRODUCT SYNONYMS

GM-CSF; Mouse GM-CSF; Granulocyte Macrophage Colony-Stimulating Factor; CSF-2; MGI-1GM; pluripoietin-alpha; GM-CSF active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 98% by SDS-PAGE & HPLC analyses
Form/Format	Lyophilized from 10 mM Acetic Acid
Sequence	MAPTRSPITV TRPWKHVEAI KEALNLLDDM PVTLNREEVEV VSNEFSFKKL TCVQTRLKIF EQGLRGNFTK LKGALNMTAS YYQTYCPPTP ETDCEQVTT YADFIDSLKT FLTDIPFECK KPVQK
Sequence Length	141
Endotoxin Level	<0.1 ng/ug of protein (<1EU/ug)
Length (aa)	125
Biological Activity	The ED ₅₀ 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 10 ⁷ units/mg.
Reconstitution	Centrifuge the vial prior to opening. Reconstitute in 10 mM Acetic Acid to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2°C to 8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.
Preparation and Storage	Store at 4°C for 6 months. Reconstituted working aliquots are stable for 1 week at 2°C to 8°C and for 12 months at -20°C to -80°C.

ADDITIONAL INFORMATION

Related Product Information for GM-CSF active protein	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 Categories/Family for GM-CSF active protein	Cytokines & Growth Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	110625658
NCBI GeneID	12981
NCBI Accession #	NP_034099.2
NCBI GenBank Nucleotide #	NM_009969.4

UniProt Accession #	P01587
Molecular Weight	14.2 kDa
NCBI Official Full Name	granulocyte-macrophage colony-stimulating factor
NCBI Official Synonym Full Names	colony stimulating factor 2 (granulocyte-macrophage)
NCBI Official Symbol	Csf2
NCBI Official Synonym Symbols	Csfgm; GMCSF; Gm-CSF; MGI-IGM
NCBI Protein Information	granulocyte-macrophage colony-stimulating factor; CSF; put. GM-CSF; granulocyte-macrophage colony stimulating factor 2
UniProt Protein Name	Granulocyte-macrophage colony-stimulating factor
UniProt Gene Name	Csf2
UniProt Synonym Gene Names	Csfgm; GM-CSF; CSF
UniProt Entry Name	CSF2_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-active-protein/gm-csf/79155>