

Granulocyte Macrophage-Colony Stimulating Factor Recombinant Protein | GM recombinant protein

Recombinant Human Granulocyte Macrophage-Colony Stimulating Factor, Sf9

CATALOG # AAA38197	HOST Insect Cells
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PRODUCT SYNONYMS

Granulocyte Macrophage-Colony Stimulating Factor; Recombinant Human Granulocyte Macrophage-Colony Stimulating Factor; Sf9; GM CSF Human; Granulocyte Macrophage-Colony Stimulating Factor Human Recombinant; CSF-2; MGI-1GM; GMCSF; Pluripoietin-alpha; Molgramostin; Sargramostim; GM CSF Sf9; GM recombinant protein

PRODUCT SPECIFICATIONS

Host	Insect Cells
Purity/Purification	Greater than 98.0% as determined by SDS-PAGE.
Form/Format	The protein was lyophilized with PBS. Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence	Thesequenc eofthefirs tfiveN-ter minalamino acidswasde terminedan dwasfoundt obeAla-Pro -Ala-Arg-S er
Sequence Length	144
Solubility	It is recommended to reconstitute the lyophilized Granulocyte Macrophage Colony Stimulating Factor in sterile 18M Omega -cm H2O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Preparation and Storage	Lyophilized Granulocyte Macrophage Colony Stimulating Factor although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution GMCSF should be stored at 4 degree C between 2-7 days and for future use below -18 degree C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for GM recombinant protein	Description: GM-CSF Human Recombinant produced in insect cells is a single, glycosylated, polypeptide chain containing 127 amino acids (18-144) and having a molecular mass of 14.6kDa. GM-CSF is fused to a C-terminal His -tag (6x His) and purified by proprietary chromatographic techniques. Introduction: 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.GM-CSF stimulates the growth and differentiation of hematopoietic precursor cells from various lineages, including granulocytes, macrophages, eosinophils and erythrocytes.
Product Categories/Family for GM recombinant protein	Cytokines and Growth Factors; Growth Factors; Colony Stimulating Factor

NCBI AND UNIPROT INFORMATION

NCBI GI #	27437030
NCBI GeneID	1437
NCBI Accession #	NP_000749.2

NCBI GenBank Nucleotide #	NM_000758.3
UniProt Accession #	P04141 ; Q14CE8 ; Q2VPI8 ; Q8NFI6
Molecular Weight	16,295 Da
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	GMCSF
NCBI Protein Information	granulocyte-macrophage colony-stimulating factor; CSF; granulocyte macrophage-colony stimulating factor; molgramostin; sargramostim
UniProt Protein Name	Granulocyte-macrophage colony-stimulating factor
UniProt Gene Name	CSF2
UniProt Synonym Gene Names	GMCSF; GM-CSF; CSF
UniProt Entry Name	CSF2_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/csf2-recombinant-protein-insect-cells/38197>