

Granulocyte Macrophage Active Protein | CSF2 active protein

Recombinant Rhesus Macaque Granulocyte Macrophage-Colony Stimulating Factor

CATALOG # AAA38831	HOST E Coli
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PRODUCT SYNONYMS

Granulocyte Macrophage; Recombinant Rhesus Macaque Granulocyte Macrophage-Colony Stimulating Factor; GM CSF Monkey; Granulocyte Macrophage-Colony Stimulating Factor Rhesus Macaque Recombinant; CSF-2; MGI-1GM; GM-CSF; Pluripoietin-alpha; Molgramostin; Sargramostim; MGC131935; MGC138897; rmGM CSF; CSF2 active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by: (a) Analysis by HPLC. (b) Analysis by SDS-PAGE.
Form/Format	GM-CSF was lyophilized from a concentrated(1mg/ml) Solution containing 1x PBS pH 7.4 Sterile Filtered White lyophilized (freeze-dried) powder.
Concentration	1mg/ml (varies by lot)
Sequence	APARSPSPGT QPWEHVNAIQ EARRLLNLSR DTAAEMNKT VEVSEMF DLQ EPSCLQTRLE LYKQGLQGSL TKLKGPLTMM ASHYKQHCPP TPETSCATQI ITFQSFKENL KDFLLVIPFD CWPEPVQE
Sequence Length	144
Solubility	It is recommended to reconstitute the lyophilized GMCSF in sterile 18M Omega -cm H2O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED50 as determined by the dose-dependant stimulation of the proliferation of human TF-1 cells (human erythroleukemic indicator cell line) is < 0.1 ng/ml, corresponding to a Specific Activity of 10,000,000 IU/mg.
Preparation and Storage	Lyophilized GMCSF 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 CSF2 active protein	Description: Granulocyte Macrophage Colony Stimulating Factor Monkey Recombinant produced in E Coli is a single, non-glycosylated, polypeptide chain containing 127 amino acids and having a molecular mass of 14.4 kDa. GM-CSF is 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 CSF2 active protein	Cytokines and Growth Factors; Growth Factors; Colony Stimulating Factor

NCBI AND UNIPROT INFORMATION

NCBI GI #	115502132
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UniProt Accession #	Q0MUT8
Molecular Weight	16,195 Da
NCBI Official Full Name	Granulocyte-macrophage colony-stimulating factor
UniProt Protein Name	Granulocyte-macrophage colony-stimulating factor
UniProt Gene Name	CSF2
UniProt Synonym Gene Names	GM-CSF; CSF
UniProt Entry Name	CSF2_CHLAE

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/granulocyte-macrophage/38831>