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32-1284: GM CSF HEK Recombinant Protein(Discontinued)

Alternative Name : CSF-2,MGI-1GM,GM-CSF,Pluripoietin-alpha,Molgramostin,Sargramostim,MGC131935,MGC138897.

Description

Source : HEK. GM-CSF Human Recombinant produced in HEK cells is a glycosylated monomer, having a molecular weight range of 15-36kDa due to glycosylation.The GM-CSF is purified by proprietary chromatographic techniques. 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 Info

Amount :	10 µg
Purification :	Greater than 95% as obsereved by SDS-PAGE.
Content :	The GM-CSF was lyophilized from 1mg/ml in 1xPBS.
Storage condition :	Lyophilized GM-CSF although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution GM-CSF should be stored at 4°C between 2-7 days and for future use below -18°C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

Application Note

It is recommended to reconstitute the lyophilized GM-CSF in sterile water not less than 100Ã□Âµg/ml, which can then be further diluted to other aqueous solutions. The specific activity was determined by the dose-dependent stimulation of the proliferation of human TF-1 cells (human erythroleukemic indicator cell line) and is typically 0.4-2ng/ml.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.