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32-17644: Recombinant Human GM-CSF Protein, hFc Tag

Uniprot ID : P04141
Alternative Name : CSF, GMCSF

Description

Molecular Characterization: GM-CSF(Ala18-Glu144) hFc(Glu99-Ala330)
Molecular weight: The protein has a predicted molecular mass of 40.6 kDa after removal of the signal peptide.The apparent molecular mass of GM-CSF-hFc is approximately 35-70 kDa due to glycosylation.
Description: Recombinant Human GM-CSF Protein with C-terminal human Fc tag
The protein encoded by this gene 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. This gene plays a role in promoting tissue inflammation. Elevated levels of cytokines, including the one produced by this gene, have been detected in SARS-CoV-2 infected patients that develop acute respiratory distress syndrome. Mice deficient in this gene or its receptor develop pulmonary alveolar proteinosis.

Product Info

Amount :	100 µg / 50 µg
Content :	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization.
Storage condition :	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.