


Mouse GM-CSF protein

Cat #: PRP2116

Size: 20 µg /50 µg/100 µg /1 mg

Product Information

	Product Name: Mouse GM-CSF protein		
	Reconstitution: Use the buffer we provided to reconstitute the lyophilized Mouse GM-CSF protein		
REF	Catalog Number: PRP2116	LOT	Lot Number: Refer to product label
	Purity: ≥90 % as determined by SDS-PAGE		
	Storage: Store at -20°C		Preparation method: HEK293 Cells
	Shipping: The product is shipped at ambient temperature.		

Background: The granulocyte-macrophage colony-stimulating factor (GM-CSF) is an important hematopoietic growth factor and immune modulator. GM-CSF also has profound effects on the functional activities of various circulating leukocytes. It is produced by a variety of cell types including T cells, macrophages, endothelial cells and fibroblasts upon receiving immune stimuli. Although GM-CSF is produced locally, it can act in a paracrine fashion to recruit circulating neutrophils, monocytes and lymphocytes to enhance their functions in host defense. GM-CSF was initially classified as a hematopoietic growth factor. However, unlike its close relatives macrophage CSF (M-CSF) and granulocyte CSF (G-CSF), the majority of myeloid cells do not require GM-CSF for steady-state myelopoiesis. Instead, in inflammation, GM-CSF serves as a communication conduit between tissue-invading lymphocytes and myeloid cells. Even though lymphocytes are in all likelihood the instigators of chronic inflammatory disease, GM-CSF-activated phagocytes are well equipped to cause tissue damage.

Sequence: Amino acid sequence derived from Mouse GM-CSF protein isoform (P01587, Met1-Lys141) was expressed.

Protein length: The recombinant Mouse GM-CSF protein consists of 128 amino acids and has a predicted molecular mass of 14.6 kDa. The apparent molecular mass of the Mouse GM-CSF protein is approximately 15-25 kDa in SDS-PAGE under reducing conditions .

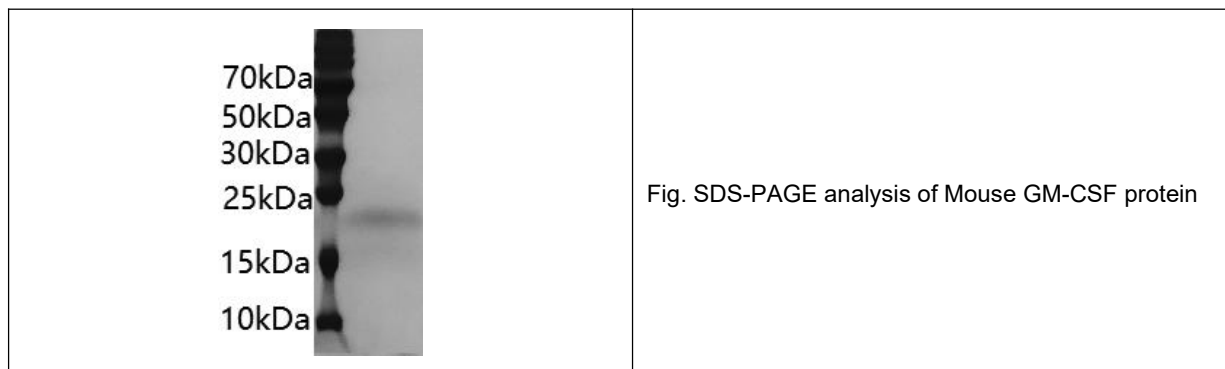
Biological Activity: Testing in progress.

Endotoxin: < 1 EU per µg of the protein as determined by the LAL method.

Formulation: Lyophilized from sterile PBS, pH 7.4.

Storage Instructions: Lyophilized Mouse GM-CSF protein product should be stored desiccated below -18°C. Upon reconstitution, the protein 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.

Usage notes: Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized Mouse GM-CSF protein using the buffer we provided not less than 100 µg/mL, which can then be further diluted to other aqueous solutions.



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