

Mouse M-CSF protein, His tag (Animal-Free)

Cat #: PRP1136

Size: 5µg/20µg/100µg/1mg

Product Information

	Product Name: Mouse M-CSF protein, His tag (Animal-Free)		
REF	Catalog Number: PRP1136	LOT	Lot Number: Refer to product label
	Purity: > 98 % as determined by SDS-PAGE		
	Storage: Store at -20°C		Preparation method: E.coli
	Shipping: The product is shipped at ambient temperature.		

Background: M-CSF (Macrophage colony-stimulating factor, CSF-1) is a survival factor essential for the proliferation and development of monocytes, macrophages, and osteoclast progenitor cells. M-CSF also induces VEGF (vascular endothelial growth factor) secretion by macrophages, thereby mediating mobilization of endothelial progenitor cells and neovascularization. M-CSF is present as several bioactive isoforms that differ in potency and stability. The full-length protein is synthesized as a membrane-spanning protein that can be expressed on the cell surface or further cleaved and modified in the secretory vesicle.

Sequence: Amino acid sequence derived from Mouse M-CSF (Lys33-Pro187)(P07141) was expressed with 6×His tag at the C-terminus.

Protein length: The secreted Mouse M-CSF consists of 155 amino acids and has a predicted molecular mass of 19 kDa.

Biological Activity: Measure by its ability to induce proliferation in NFS-60 cells. The ED₅₀ for this effect is <2 ng/mL.

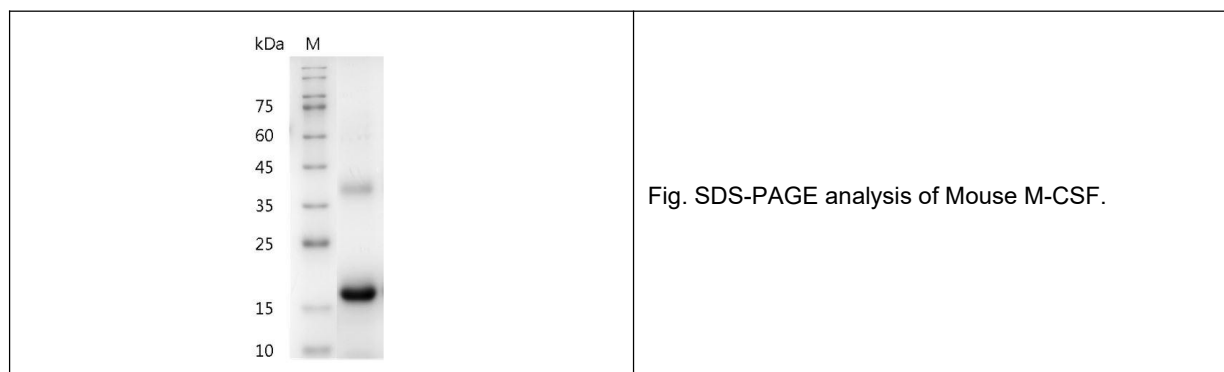
Endotoxin: < 0.1 EU per µg of the protein as determined by the LAL method.

Formulation: Lyophilized from sterile PBS, pH 8.0.

Storage Instructions: Lyophilized Mouse M-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 (5% HSA , 10%FBS or 0.1%BSA). Please prevent freeze-thaw cycles.

Usage notes: Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized protein to a concentration of 0.1-1 mg/mL in sterile ddH₂O, and keep at room temperature for at least 20 min to fully dissolve. Please

avoid vortex vigorously.



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