

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

Cat #: PRP1936

Size: 5 µg/20 µg/100 µg/1 mg

Product Information

	Product Name: Human M-CSF Protein, His tag (Animal-Free)		
REF	Catalog Number: PRP1936	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: Macrophage Colony Stimulating Factor (M-CSF) produced by osteoblasts and osteoblast precursors. M-CSF stimulates the growth and differentiation of the monocyte lineage, and promotes the survival, proliferation, and functions of mature monocytes/macrophages.

Sequence: Amino acid sequence derived from Human M-CSF (Glu33-Ser190) (P09603) was expressed with 6×His tag at the C-terminus.

Protein length: The recombinant Human M-CSF consists of 158 amino acids and predicts a molecular mass of 19.76 kDa.

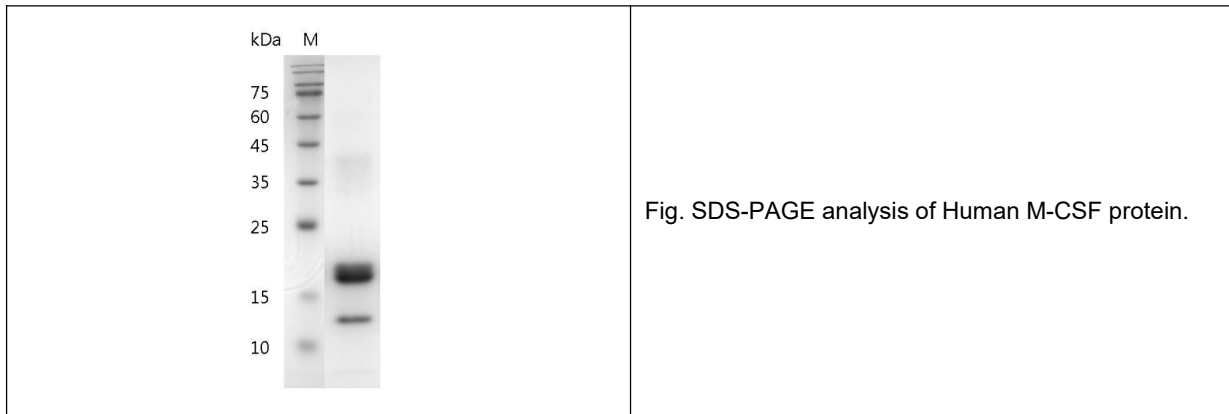
Biological Activity: Measured by its ability to induce proliferation in NFS-60 cells. The ED₅₀ for this effect is <1 ng/mL. The specific activity of recombinant human M-CSF is approximately > 2.5x 10⁸ IU/mg.

Endotoxin: < 0.1 EU per 1 µg of the protein by the LAL method.

Formulation: Lyophilized from PBS, pH 7.4.

Storage Instructions: Lyophilized 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 recombinant protein to a concentration not less than 100 µg/mL using the buffer we provided, and keep at room temperature for at least 20 min to fully dissolve. Please avoid vortex vigorously.



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