


Human M-CSF protein

Cat #: PRP1937

Size: 5 µg/20 µg/100 µg/1 mg

Product Information

	Product Name: Human M-CSF Protein		
REF	Catalog Number: PRP1937	LOT	Lot Number: Refer to product label
	Purity: > 95 % 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 is a potent hematopoietic factor produced by a variety of cells, including lymphocytes, monocytes, fibroblasts, endothelial cells, myoblasts and osteoblasts. It is a key regulator of cellular proliferation, differentiation, and survival for blood monocytes, tissue macrophages, and their respective progenitor cells. M-CSF has been shown to play important roles in modulating dermal thickness and fertility. M-CSF is clinically used in the treatment of infection, malignancies and atherosclerosis.

Sequence: Amino acid sequence derived from Human M-CSF (Glu33-Ser190) (P09603-3) was expressed.

Protein length: The recombinant Human M-CSF consists of 158 amino acids and predicts a molecular mass of 19 kDa.

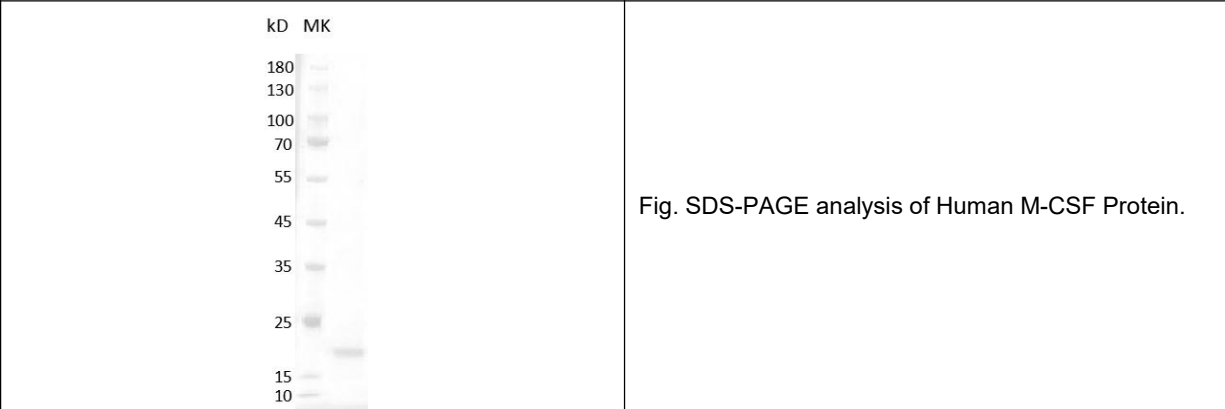
Biological Activity: Measured by its ability to induce proliferation in M-NFS-60 cells. The ED₅₀ for this effect is 0.7344 ng/mL.

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

Formulation: Lyophilized from sterile 20 mM Tris-HCl, 150mM NaCl, pH8.0.

Storage Instructions: Lyophilized protein product should be stored desiccated below -20°C. Upon reconstitution, the protein should be stored at 4°C between 2-7 days and for future use below -20°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 protein using the buffer we provided not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.



Note: The product listed herein is for research use only and is not intended for use in human or clinical diagnosis. Suggested applications of our products are not recommendations to use our products in violation of any patent or as a license. We cannot be responsible for patent infringements or other violations that may occur with the use of this product.