


Mouse G-CSF Protein, His tag (Animal-Free)

Cat #: PRP1185

Size: 5 µg/20 µg/100 µg/1 mg

Product Information

	Product Name: Mouse G-CSF Protein, His tag (Animal-Free)		
REF	Catalog Number: PRP1185	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: Granulocyte Colony-Stimulating Factor (G-CSF) is a member of the CSF family of glycoproteins, and makes the bone marrow produce more white blood cells, so it can reduce the risk of infection after some types of cancer treatment. G-CSF is also an established useful clinical agent for increasing neutrophilic granulocytes levels. Mouse G-CSF shares 73% sequence homology with human G-CSF.

Sequence: Amino acid sequence derived from Mouse G-CSF (Val 31-Ala 208) (P01137) was expressed with 6×His tag at the N-terminus.

Protein length: The recombinant Mouse G-CSF consists of 178 amino acids and predicts a molecular mass of 19.76 kDa.

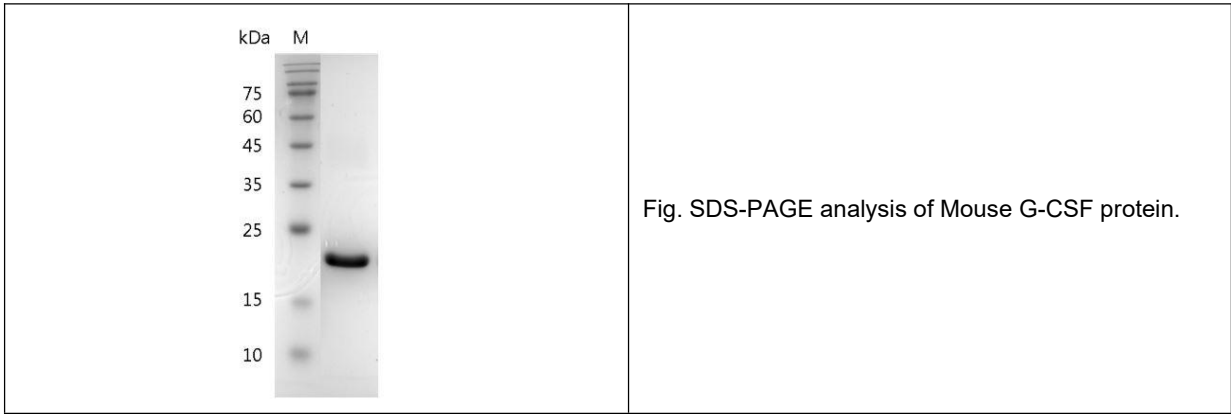
Biological Activity: Measured by its ability to induce proliferation in NFS-60 cells. The ED₅₀ for this effect is <50 pg/mL.

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 of 0.1-1 mg/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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