


Rat G-CSF Protein

Cat #: PRP1220

Size: 10 µg/50 µg/500 µg

Product Information

	Product Name: Rat G-CSF Protein		
REF	Catalog Number: PRP1220	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: G-CSF is a hematopoietic growth factor, which controls the production, differentiation and function of granulocytes and enhances the functional activity of mature terminal cells. Three transcription variants of G-CSF gene encoding three different subtypes have been found. Granulocyte/macrophage colony stimulating factor is a cytokine that plays a role in hematopoiesis by controlling the production, differentiation and function of two related leukocyte populations (granulocyte and monocyte-macrophage) in blood. G-CSF is clinically used to promote hematopoietic recovery after bone marrow transplantation.

Sequence: Amino acid sequence derived from Rat G-CSF(P97712) (Ile22-Ile214) was expressed with 6×His tag at N-terminus.

Protein length: The Rat G-CSF consists of 193 amino acids and predicts a molecular mass of 21.3 kDa.

Biological Activity: Testing in progress.

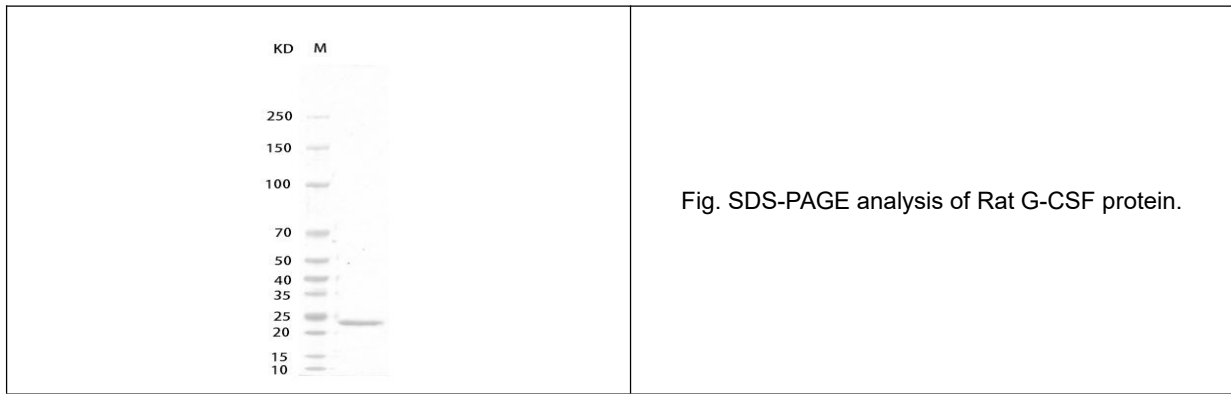
Endotoxin: < 0.1 EU per µg of the protein as determined by the LAL method.

Formulation: Lyophilized from sterile 20mM Tris, 250mM NaCl, 10% Glycerol, pH 8.0.

Storage Instructions: Lyophilized Rat G-CSF 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 Rat G-CSF protein using the buffer we provided not less than 100µg/ml, which can then be further diluted to other aqueous sol

utions.



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.