


## Human G-CSF Protein, His tag (Animal-Free)

Cat #: PRP1093

Size: 5 µg/20 µg/100 µg/1mg

### Product Information

	<b>Product Name:</b> Human G-CSF Protein, His tag (Animal-Free)		
<b>REF</b>	<b>Catalog Number:</b> PRP1093	<b>LOT</b>	<b>Lot Number:</b> Refer to product label
	<b>Purity:</b> > 97 % as determined by SDS-PAGE		
	<b>Storage:</b> Store at -20°C		<b>Preparation method:</b> E.coli
	<b>Shipping:</b> 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 also is an established useful clinical agent for increasing neutrophilic granulocytes levels. G-CSF is a 18.67 kDa protein having 207 amino acid which secreted by monocytes, macrophages, fibroblasts, and endothelial cells, regulates cell growth, maturation, development of myeloid cells.

**Sequence:** Amino acid sequence derived from Human G-CSF (Thr31-Pro204) (NP\_757373) was expressed with 6×His tag at the N-terminus.

**Protein length:** The recombinant Human G-CSF Protein consists of 174 amino acids and predicts a molecular mass of 19.48 kDa.

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

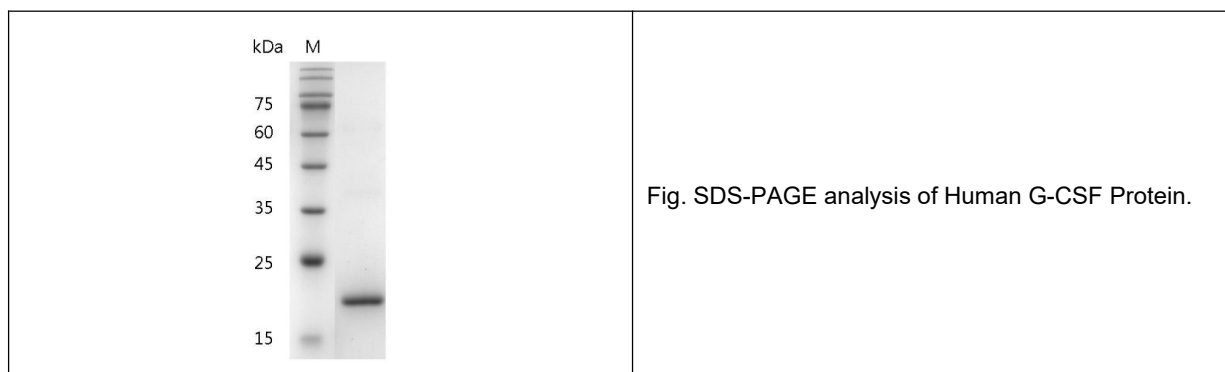
**Endotoxin:** < 0.1 EU per µg of the protein as determined by the LAL method.

**Formulation:** Lyophilized from sterile PBS, pH7.4.

**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.



**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.