Human G-CSF Protein

Catalog # GCSF-HF001 Form: Lyophilized

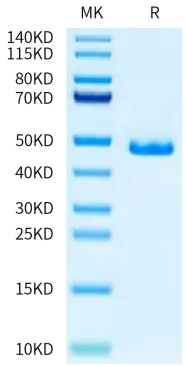
Product Details

Product description	Recombinant Human G-CSF Protein is expressed in HEK293 cells with an hFc (IgG1) tag at the N-terminus. It contains amino acid residues Thr31-Pro204 (accession: NP_757373.1).
Molecular aliases	CSF3; GCSF; C17orf33; CSF3OS;; Colony stimulating factor-3; Colony stimulating factor 3
Expression system	HEK293
Molecular weight	The protein has a predicted MW of 44.20 kDa. Due to glycosylation, the protein migrates to 45-50 kDa based on Bis-Tris PAGE result.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC
Endotoxin	Less than 1 EU per μg by the LAL method.
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
State	Lyophilized
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Activity validation	Activity verified

Protein Integrity

Bis-Tris PAGE

Representative product-page data



Reported result

Human G-CSF on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.