PRODUCT INFORMATION

Target	G-CSF
Synonyms	CSF3; CSF3OS; C17orf33
Description	Recombinant human G-CSF Protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	P09919-2
Expression Host	HEK293
Tag	C-Human Fc tag
Molecular Characterization	G-CSF(Thr31-Pro204) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 44.8 kDa after removal of the signal peptide. The apparent molecular mass of G-CSF-hFc is approximately 35-55 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	This gene encodes a member of the IL-6 superfamily of cytokines. The encoded cytokine controls the production, differentiation, and function of granulocytes. Granulocytes are a type of white blood cell that are part of the innate immune response. A modified form of this protein is commonly administered to manage chemotherapy-induced neutropenia. Alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, May 2020]
Usage	Research use only
Conjugate	Unconjugated

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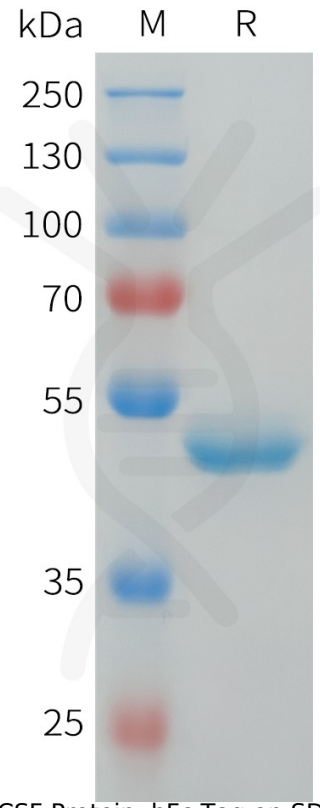


Figure 1. Human G-CSF Protein, hFc Tag on SDS-PAGE under reducing condition.

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