

## **PRODUCT INFORMATION**

**Target** G-CSF

Synonyms

Granulocyte Colony-Stimulating Factor;G-CSF;Pluripoietin;Filgrastim;Lenograstim;CSF3;C17orf33;GCSF Recombinant Human Granulocyte Colony-Stimulating Factor is produced by our E.coli expression system and the target gene encoding Thr31-Pro204 is expressed.

Description

In Stock Delivery **Uniprot ID** P09919 **Expression Host** E.coli

Tag

Molecular

Not available Characterization **Molecular Weight** 18.8 KDa

**Purity** Greater than 95% as determined by reducing SDS-PAGE.

Formulation & Reconstitution

Lyophilized from a 0.2 μm filtered solution of 10mM HAc-NaAc, 150mM NaCl, 0.004% Tween 80, 5% Mannitol, pH 4.0.

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.

proteins are shipped at ambient temperature.

Human Granulocyte-Colony-Stimulating Factor (G-CSF) is 20 kD glycoprotein containing internal disulfide bonds. It induces the survival, proliferation, and differentiation of neutrophilic granulocyte precursor cells and it functionally activates mature blood neutrophils. Among the family of colony-stimulating factors, G-CSF is the most potent inducer of terminal differentiation to granulocytes and macrophages of leukemic myeloid cell lines. The synthesis of G-CSF can be induced by bacterial endotoxins, TNF, Interleukin-1, and GM-CSF. Prostaglandin E2 inhibits the synthesis of G-CSF. In epithelial, endothelial, and fibroblastic cells secretion of G-CSF is induced by Interleukin-17.

**Background** 

Email: info@dimabio.com Website: www.dimabio.com

Usage Research use only Conjugate Unconjugated







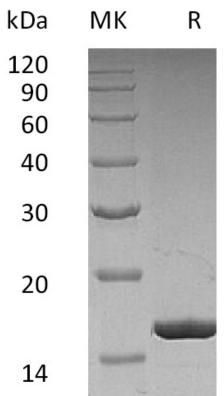


Figure 1. Greater than 95% as determined by reducing SDS-PAGE.

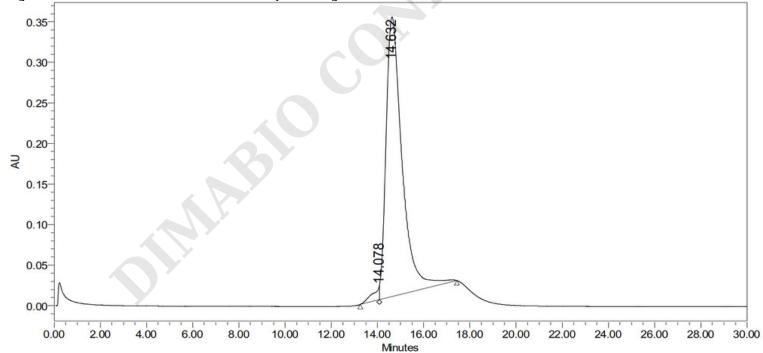


Figure 2. Greater than 95% as determined by SEC-HPLC. (QC verified)







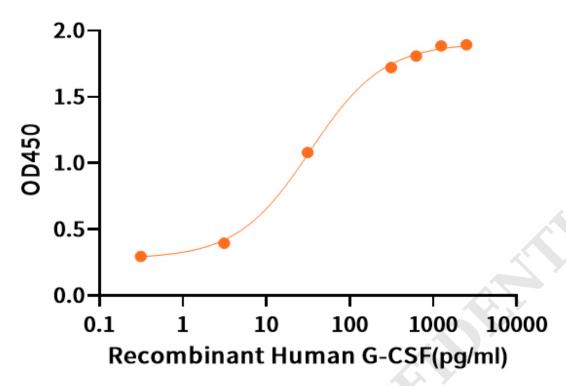


Figure 3. Measured in a cell proliferation assay using NFS-60 mouse myelogenous leukemia lymphoblast cells. The ED50 for this effect is 0.03 ng/ml.

Email: info@dimabio.com Website: www.dimabio.com

