

RP00472

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# Recombinant Human G-CSF/CSF3 Protein

Catalog No.: RP00472 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	1440	P09919-2

### Tags

No tag

### Synonyms

CSF3;C17orf33;CSF3OS;GCSF

## Product Information

Source	Purification
<I>E. coli</I>	> 95% by SDS-PAGE.

### Endotoxin

< 1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.2 μm filtered solution of 10mM HAc-NaAc, 150mM NaCl, 0.004% Tween 80, 5% Mannitol, pH 4.0. Contact us for customized product form or formulation.

### Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

## Background

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.

## Basic Information

### Description

Recombinant Human G-CSF/CSF3 Protein is produced by <I>E. coli</I> expression system. The target protein is expressed with sequence (Thr31-Pro204) of human G-CSF/CSF3 (Accession #P09919-2) fused with an initial Met at the N-terminus.

### Bio-Activity

### Storage

Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.

Avoid repeated freeze/thaw cycles.

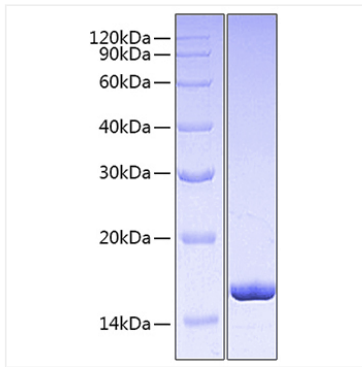
## Contact



[www.abclonal.com](http://www.abclonal.com)

## Validation Data

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Recombinant Human G-CSF/CSF3  
Protein was determined by SDS-  
PAGE under reducing conditions with  
Coomassie Blue.