

# Recombinant Human CSF-3/G-CSF/Pluripoietin Protein

Catalog No.: RP02515 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	1440	P09919

### Tags

C-His

### Synonyms

CSF3;C17orf33;CSF3OS;GCSF

## Product Information

Source	Purification
<i>E. coli</i>	> 98% by SDS-PAGE.

### Endotoxin

<0.1EU/ $\mu$ g

### Formulation

Lyophilized from a 0.22  $\mu$ m filtered solution of PBS, pH 7.4.

### Reconstitution

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

## Background

G-CSF is a hematopoietic growth factor. It can activate the progress that committed progenitor cells develop to neutrophils and enhance the functional activities of the mature end-cell. It is secreted in response to specific stimulation by a variety of cells, including bone marrow stroma, macrophages, endothelial cells and fibroblasts. In clinical treatment, G-CSF is used to facilitate hematopoietic recovery after bone marrow transplantation.

## Basic Information

### Description

Recombinant Human G-CSF Protein is produced by Escherichia coli expression system. The target protein is expressed with sequence of Human G-CSF fused with polyhistidine tag at the N-terminus

### Bio-Activity

Measured by its ability to inhibit proliferation in NFS-60 cells. The ED<sub>50</sub> for this effect is <50 pg/mL. The specific activity of recombinant human G-CSF is > 2 x 10<sup>7</sup> IU/mg.

### 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

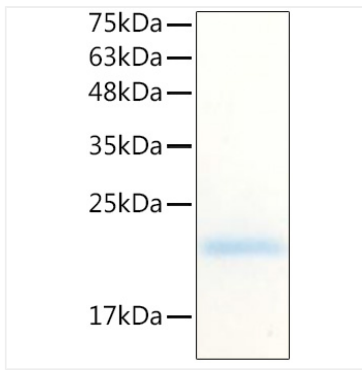
 | 400-999-6126

 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

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

## Validation Data

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Recombinant Human CSF-3/G-CSF/Pluripoietin Protein was determined by SDS-PAGE with Coomassie Blue, showing bands at 20 kDa.