

# Recombinant Human colony stimulating factor 3 Protein, His tagged

Cat. No. CSF3-207H Lot. No. (See product label)

## SPECIFICATION

### Product Overview

Recombinant human G-CSF protein (P09919-2) (Thr 31-Pro 204) with a His tag at the C-terminus was expressed in HEK293.

### Species

Human

### Source

HEK293

### ProteinLength

31-204aa

### Description

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. Granulocyte/macrophage colony-stimulating factors are cytokines that act in hematopoiesis by controlling the production, differentiation, and function of 2 related white cell populations of the blood, the granulocytes and the monocytes-macrophages. This CSF induces granulocytes.

### Tag

C-His

### Molecular Mass

20 kDa

### Endotoxin

Less than 1.0 EU/μg by the LAL method.

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<b>Purity</b>	>95% as determined by SDS-PAGE.
<b>Storage</b>	Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.
<b>Reconstitution</b>	Reconstitute at 250 µg/mL in sterile water.

## GENE INFORMATION

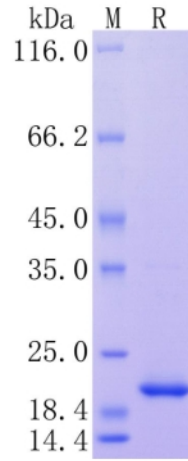
<b>Gene Name</b>	CSF3 colony stimulating factor 3 [ Homo sapiens (human) ]
<b>Official Symbol</b>	CSF3
<b>Synonyms</b>	CSF3; colony stimulating factor 3 (granulocyte); C17orf33, chromosome 17 open reading frame 33, G CSF, GCSF; granulocyte colony-stimulating factor; filgrastim; granulocyte colony stimulating factor; lenograstim; MGC45931; pluripoietin; GCSF; CSF3OS; C17orf33;
<b>Gene ID</b>	1440
<b>mRNA Refseq</b>	NM_000759
<b>Protein Refseq</b>	NP_000750
<b>MIM</b>	138970
<b>UniProt ID</b>	P09919

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**Protein on SDS-  
PAGE under  
reducing (R)  
condition.**



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