

## Recombinant Human CSF3

Cat. No. CSF3-27783TH Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length human G-CSF; a single, glycosylated, polypeptide chain containing 174 amino acids, 20kDa.
<b>Species</b>	Human
<b>Source</b>	CHO
<b>Description</b>	The protein encoded by this gene is a cytokine that controls the production, differentiation, and function of granulocytes. The active protein is found extracellularly. Alternatively spliced transcript variants have been described for this gene.
<b>Biological activity</b>	Specific Activity of $1.27 \times 10^8$ IU/mg.
<b>Form</b>	Lyophilised:Reconstitute in sterile 18MOhm/cmH <sub>2</sub> O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
<b>Purity</b>	>95% by SDS-PAGE
<b>Storage buffer</b>	Preservative: None Constituents: 10mM Hydrochloric Acid, Mannitol, Tween 20, L-arginine, phenylalanine and methionine. pH 6.5
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

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<b>Sequences of amino acids</b>	The sequence of the first five N-terminal amino acids was determined and was found to be Thr-Pro-Leu-Gly-Pro.
<b>Sequence Similarities</b>	Belongs to the IL-6 superfamily.
<b>Full Length</b>	Full L.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	CSF3 colony stimulating factor 3 (granulocyte) [ Homo sapiens ]
<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;
<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
<b>Chromosome Location</b>	17q11.2-q12
<b>Pathway</b>	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-

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cytokine receptor interaction, conserved biosystem; Cytokines and Inflammatory Response, organism-specific biosystem; Hematopoietic cell lineage, organism-specific biosystem; Hematopoietic cell lineage, conserved biosystem;

**Function**

cytokine activity; cytokine activity; enzyme binding; granulocyte colony-stimulating factor receptor binding; growth factor activity;

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