

Recombinant Human CSF3

Cat. No. CSF3-26467TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length human G-CSF protein expressed in modified human 293 cells.
Species	Human
Description	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.
Biological activity	The ED50 of CSF3-26467TH is typically 0.01 - 0.03 ng/ml as measured in a cell proliferation assay using a murine myeloblastic M-NFS-60 cell line.
Form	Lyophilised:It is recommended that 0.5 ml of sterile phosphate-buffered saline be added to the vial.Following reconstitution short-term storage at 4°C is recommended, and longer-term storage of aliquots at -18 to -20°C. Repeated freeze thawing is not reco
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 10% Trehalose, 1% Human serum albumin
Storage	Store at +4°C.
Sequences of amino	Theoretical Sequence:ATPLGPASSLPQSFLKCLEQVRKIQQDG AALQEKLCA ^T YKL

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

acids	CHPEELVLLGHSLGIPWAPLSSCPS QALQLAGCLSQLHSGFLFYQGLLQALEGISPE LGPTLDTL QLDVADFATTIWQQMEELGMAPALQPTQGAMPAFASAF QRRAGGVLV ASHLQSFLEVSYRVLRHLAQP
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Sequence Similarities	Belongs to the IL-6 superfamily.
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Full Length	Full L.
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GENE INFORMATION

Gene Name	CSF3 colony stimulating factor 3 (granulocyte) [Homo sapiens]
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Official Symbol	CSF3
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Synonyms	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;
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Gene ID	1440
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mRNA Refseq	NM_000759
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Protein Refseq	NP_000750
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MIM	138970
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Uniprot ID	P09919
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Chromosome Location	17q11.2-q12
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Pathway

Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-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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