

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: None Constituents: 10% Trehalose, 1% Human serum albumin
Storage	Store at +4°C.
Sequences of amino	Theoretical Sequence: ATPLGPASSLPQSFLKCLEQVRKIQGDG AALQEKLCAITYKL

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acids	CHPEELVLLGHSLGIPWAPLSSCPS QALQLAGCLS QLHSGFLYQGLLQALEGISPE LGPTLDTL QLDVADFATTIWQQMEELGMAPALQPTQGAMPAFASAF QRRAGGVLV ASHLQSFLEVS YRVLRHLAQP
Sequence Similarities	Belongs to the IL-6 superfamily.
Full Length	Full L.
GENE INFORMATION	
Gene Name	CSF3 colony stimulating factor 3 (granulocyte) [Homo sapiens]
Official Symbol	CSF3
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;
Gene ID	1440
mRNA Refseq	NM_000759
Protein Refseq	NP_000750
MIM	138970
Uniprot ID	P09919
Chromosome Location	17q11.2-q12

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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