

Recombinant Human CSF3

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

SPECIFICATION

Product Overview	Recombinant full length human G-CSF; a single, glycosylated, polypeptide chain containing 174 amino acids, 20kDa.
Species	Human
Source	CHO
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	Specific Activity of 1.27×10^8 IU/mg.
Form	Lyophilised:Reconstitute in sterile 18MOhm/cmH ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 10mM Hydrochloric Acid,Mannitol,Tween 20,L-arginine,phenylalanine and methionine. pH 6.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

 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

Sequences of amino acids	The sequence of the first five N-terminal amino acids was determined and was found to be Thr-Pro-Leu-Gly-Pro.
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-

 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

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;

 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