Recombinant Human CSF3, His-tagged

Cat. No. CSF3-90H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant HumanGranulocyte Colony Stimulating Factor-His Tag produced in*E.coli*is a single, non-glycosylated, polypeptide chain containing 174 amino acids, fragment (31-204) and having a molecular mass of 18.8 KD with an amino-terminal hexahistidine tag. G-CSF-His is purified by proprietary chromatographic techniques.
Species	Human
Source	E.coli
ProteinLength	31-204 a.a.
Description	Granulocyte Colony Stimulating Factor is a growth factor and/or cytokine produced by the endothelium, macrophages and a number of other immune cells. GCSF stimulates the bone marrow to produce granulocytes and also to stimulate the survival, proliferation, differentiation and function of neutrophil granulocyte progenator cells and mature neutrophils.
Physical Appearance	Sterile Filtered clear solution.
Purity	Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Formulation	Granulocyte Colony Stimulating Factor His is supplied in 1 x PBS and 50% glycerol.
Stability	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for

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

	longer periods of time. Please avoid freeze thaw cycles.

GENE INFORMATION

Gene Name	CSF3 colony stimulating factor 3 (granulocyte) [Homo sapiens]
Synonyms	CSF3; colony stimulating factor 3 (granulocyte); GCSF; G-CSF; MGC45931; colony stimulating factor 3; filgrastim; lenograstim; pluripoietin; granulocyte colony stimulating factor; Filgrastim; Lenograstim; OTTHUMP00000164327; 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; Hematopoietic cell lineage; Jak-STAT signaling pathway
Function	cytokine activity; enzyme binding; growth factor activity; granulocyte colony-stimulating factor receptor binding

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