

Recombinant Human CSF3 therapeutic protein(Lenograstim)

Cat. No. CSF3-P054H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CSF3 therapeutic protein was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	175aa
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. The expression product is the active ingredient of Neupogen, Granulokine and Granocyte.
Molecular Mass	18.9 Kda
AA Sequence	MTPLGPASSLPQSFLKCLEQVRKIQGDGAALQEKLCA ^T YKLCHPEELVLLGHSLGIP WAPLSSCPSQALQ LAGCLSQLHSGFLFYQGLLQALEGISPELGPTLDTLQLDVADFA TTIWQQMEELGMAPALQPTQGAMPAFA SAFQRRAGGVLVASHLQSFLEVSYRVLRL HLAQP
Endotoxin	< 1.0 EU per µg of the protein
Purity	>95%

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Storage	Can be stored at +4 centigrade short term (1-2weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.
Alias	CSF3; GCSF; CSF3OS; Lenograstim
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; GCSF; CSF3OS; C17orf33;
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-

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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; Jak-STAT signaling pathway, organism-specific biosystem; Jak-STAT signaling pathway, conserved biosystem;

Function

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

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