

Pegylated Granulocyte-Colony Active Protein | G CSF active protein

Recombinant Human Pegylated Granulocyte-Colony Stimulating Factor

CATALOG # AAA38985	HOST E Coli
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PRODUCT SYNONYMS

Pegylated Granulocyte-Colony; Recombinant Human Pegylated Granulocyte-Colony Stimulating Factor; G CSF Human; PEG; Granulocyte-Colony Stimulating Factor Pegylated Human Recombinant; CSF-3; MGI-1G; GM-CSF beta; Pluripoietin; Filgrastim; Lenograstim; G-CSF; MGC45931; GCSF; G CSF PEG; G CSF active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by SEC-HPLC.
Form/Format	G-CSF is supplied in solution (0.69mg/ml) containing 10mM Acetate Buffer (pH 4.0), and 0.004% Polysorbate 80. Colorless, clear and transparent solution.
Sequence Length	207
Biological Activity	The ED50, calculated by the dose-dependent proliferation of murine NFS-60 indicator cells is less than 0.1 ng/ml, corresponding to a Specific Activity of 10,000,000IU/mg.
Preparation and Storage	G-CSF PEG should be stored refrigerated at 2 degree to 8 degree C. Vials should be kept in their packaging to protect from light until the time of use. Shaking and freezing should be avoided.

ADDITIONAL INFORMATION

Related Product Information for G CSF active protein	Description: Granulocyte Colony Stimulating Factor Human Recombinant produced in E Coli is a single, non-glycosylated, polypeptide chain containing 175 amino acids and having a molecular mass of 18.8kDa. The Pegylated G-CSF is produced by attaching a 20kDa methoxypolyethylene glycol propionaldehyde (mPEG-ALD) to the N-terminal amino acid of G-CSF giving a total molecular mass of 38.8kDa. G-CSF is purified by proprietary chromatographic techniques. Introduction: GCSF is a cytokine that controls the production, differentiation, and function of granulocytes. The active protein is found extracellularly. Three transcript variants encoding three different isoforms have been found for this gene. Granulocyte/macrophage colony-stimulating factors are cytokines that act in hematopoiesis by controlling the production, differentiation, and function of 2 related white cell populations of the blood, the granulocytes and the monocytes-macrophages. This csf induces granulocytes.
Product Categories/Family for G CSF active protein	Cytokines and Growth Factors; Growth Factors; Colony Stimulating Factor

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503079
NCBI GeneID	1440
NCBI Accession #	NP_000750.1
NCBI GenBank Nucleotide #	NM_000759.3
UniProt Accession #	P09919; A8MXR7
NCBI Official Full Name	granulocyte colony-stimulating factor isoform a

NCBI Official Synonym Full Names	colony stimulating factor 3 (granulocyte)
NCBI Official Symbol	CSF3
NCBI Official Synonym Symbols	GCSF; CSF3OS; C17orf33
NCBI Protein Information	granulocyte colony-stimulating factor; filgrastim; granulocyte-colony stimulating factor; lenograstim; pluripoiectin
UniProt Protein Name	Granulocyte colony-stimulating factor
UniProt Gene Name	CSF3
UniProt Synonym Gene Names	C17orf33; GCSF; G-CSF
UniProt Entry Name	CSF3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-g-csf-active-protein/pegylated-granulocyte-colony/38985>