

Granulocyte-Colony Stimulating Factor Active Protein | MG active protein

Recombinant Mouse Granulocyte-Colony Stimulating Factor

CATALOG # AAA38194	HOST E Coli
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PRODUCT SYNONYMS

Granulocyte-Colony Stimulating Factor; Recombinant Mouse Granulocyte-Colony Stimulating Factor; G CSF Mouse; Granulocyte-Colony Stimulating Factor Mouse Recombinant; CSF3; MGI-1G; GM-CSF beta; Pluripoietin; G-CSF; GCSF; mG CSF; MG active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	GCSF was lyophilized with no additives. Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence	VPLVTVSALP PSLPLPRSFL LKSLEQVRKI QASGSVLEQ LCATYKLCHP EELVLLGHSL GIPKASLSGC SSQALQQTQC LSQLHSGCL YQGLLQALSG ISPALAPTL D LLQLDVANFA TTIWQQMENL GVAPTQVQPTQ SAMPFTSAF QRRAGGVLA I SYLQGFLETA RLALHHLA
Sequence Length	208
Amino Acid Sequence	The sequence of the first 5 N-Terminal amino acids was determined and was found to be Met-Val-Pro-Leu-Val
Solubility	It is recommended to reconstitute the lyophilized Granulocyte Colony Stimulating Factor in sterile 18M Omega -cm H2O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED50 range=0.01-0.03 ng/ml corresponding to a Specific Activity of 33,4000,000-100,000,000IU/mg, determined by the dose-dependant proliferation of mouse NFS- 60cells. The optimal concentration for each specific application should be determined by an initial dose-response assay.
Preparation and Storage	Lyophilized Granulocyte Colony Stimulating Factor although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution GCSF should be stored at 4 degree C between 2-7 days and for future use below -18 degree C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for MG active protein	Description: Granulocyte Colony Stimulating Factor Mouse Recombinant produced in E Coli is a single, non-glycosylated, polypeptide chain containing 179 amino acids and having a molecular mass of 19kDa. G-CSF is purified by proprietary chromatographic techniques. Introduction: 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 progenitor cells and mature neutrophils.
Product Categories/Family for MG active protein	Cytokines and Growth Factors; Growth Factors; Colony Stimulating Factor

NCBI AND UNIPROT INFORMATION

NCBI GI #	6753536
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NCBI GeneID	12985
NCBI Accession #	NP_034101.1
NCBI GenBank Nucleotide #	NM_009971.1
UniProt Accession #	P09920
NCBI Official Full Name	granulocyte colony-stimulating factor
NCBI Official Synonym Full Names	colony stimulating factor 3 (granulocyte)
NCBI Official Symbol	Csf3
NCBI Official Synonym Symbols	Csfg; G-CSF; MGI-IG
NCBI Protein Information	granulocyte colony-stimulating factor
UniProt Protein Name	Granulocyte colony-stimulating factor
UniProt Gene Name	Csf3
UniProt Synonym Gene Names	Csfg; G-CSF
UniProt Entry Name	CSF3_MOUSE

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://www.aaabiotech.com/e-coli-mg-active-protein/granulocyte-colony-stimulating-factor/38194>