

G-CSF active protein

Mouse G-CSF

CATALOG # AAA79275	HOST E Coli	REACTIVITY Mouse
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PRODUCT SYNONYMS

G-CSF; Mouse G-CSF; Recombinant Murine G-CSF; G-CSF active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Reactivity	Mouse
Purity/Purification	> 98% by SDS-PAGE and HPLC analyses
Form/Format	Lyophilized from 5 mM Sodium Citrate, pH 4.0
Sequence	MVPLVTVSAL PPSLPLPRSF LLKSLEQVRK IQASGSVLE QLCATYKLCH PEELVLLGHS LGIPKASLSG CSSQALQQTQ CLSQLHSGLC LYQGLLQALS GISPALAPTL DLLQLDVANF ATTIWQQMEN LGVAPTQPT QSAMPAFTSA FQRRAGGVLA ISYLQGFLET ARLALHHLA
Sequence Length	208
Endotoxin Level	< 0.1 ng/ug of protein (<1EU/ug)
Biological Activity	The ED50 was determined by the dose-dependent stimulation of the proliferation of murine M-NFS-60 cells is ≤ 0.05 ng/ml, corresponding to a specific activity of $\geq 2 \times 10^7$ units/mg.
Preparation and Storage	Store at 4°C for 6 months. Reconstituted working aliquots are stable for 1 week at 2°C to 8°C and for 3 months at -20°C to -80°C.

ADDITIONAL INFORMATION

Related Product Information for G-CSF active protein	G-CSF is a hematopoietic growth factor that stimulates the development of committed progenitor cells to neutrophils and enhances the functional activities of the mature end-cell. It is produced in response to specific stimulation by a variety of cells including macrophages, fibroblasts, endothelial cells and bone marrow stroma. G-CSF is being used clinically to facilitate hematopoietic recovery after bone marrow transplantation. Human and mouse G-CSF are cross-species reactive. Recombinant murine G-CSF is a 19.0 kDa protein consisting of 179 amino acid residues.
Product Categories/Family for G-CSF active protein	Cytokines & Growth Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	6753536
NCBI GeneID	12985
NCBI Accession #	NP_034101.1
NCBI GenBank Nucleotide #	NM_009971.1
UniProt Accession #	P09920
Molecular Weight	19.0 kDa
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://stage.aaabiotech.com/e-coli-mouse-active-protein/g-csf/79275>