

## Datasheet for ABIN935393 G-CSF Protein



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### Overview

Quantity:	10 µg
Target:	G-CSF (CSF3)
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

### Product Details

Sequence:	MVPLVTVSAL PPSLPLPRSF LLKSLEQVRK IQASGSVLE QLCATYKLCH PEELVLLGHS LGIPKASLSG CSSQALQQTQ CLSQLHSGLC LYQGLLQALS GISPALAPTL DLLQLDVANF ATTIWQQMEN LGVAPTQPT QSAMPAFTSA FQRRAGGVLA ISYLGGFLET ARLALHHLA
Characteristics:	Purified recombinant Mouse GCSF protein Expression System: E.coli Bioactivity: The ED50 was determined by the dose-dependent stimulation of the proliferation of Mouse M-NFS-60 cells is $2 \times 10^7$ units/mg.
Purity:	> 98 % pure
Endotoxin Level:	< 0.1 ng per µg (1 EU/µg).

### Target Details

Target:	G-CSF (CSF3)
Alternative Name:	GCSF ( <a href="#">CSF3 Products</a> )

## Target Details

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**Background:** 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.

Alternative Names: Granulocyte Colony-Stimulating Factor protein, MGI-1G protein, GM-CSFb protein, pluripoietin protein, CSF-3 protein

**Molecular Weight:** 19 kDa

**Pathways:** [Cellular Response to Molecule of Bacterial Origin](#), [Regulation of Actin Filament Polymerization](#)

## Application Details

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**Application Notes:** Each Investigator should determine their own optimal working dilution for specific applications.

**Restrictions:** For Research Use only

## Handling

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**Format:** Lyophilized

**Reconstitution:** Reconstitute in water to a concentration of 0.1-1.0 mg/mL.

**Buffer:** Lyophilized from 5 mM sodium citrate, pH 4.0.

**Handling Advice:** Avoid repeated freeze/thaw cycles.

**Storage:** RT/-20 °C