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Datasheet for ABIN2017892  
**G-CSF Protein (AA 22-214)**

### Overview

Quantity:	50 µg
Target:	G-CSF (CSF3)
Protein Characteristics:	AA 22-214
Origin:	Rat
Source:	HEK-293T Cells
Protein Type:	Recombinant
Biological Activity:	Active

### Product Details

Characteristics:	ED50 < 5 pg/mL, measured in a cell proliferation assay using NFS-60 cells.
Purity:	> 95 % as analyzed by SDS-PAGE and HPLC.
Endotoxin Level:	< 0.2 EU/µg, determined by LAL method.

### Target Details

Target:	G-CSF (CSF3)
Alternative Name:	Granulocyte Colony-Stimulating Factor (G-CSF) ( <a href="#">CSF3 Products</a> )
Background:	Among the family of colony-stimulating factors, Granulocyte Colony-Stimulating Factor (G-CSF) is the most potent inducer of terminal differentiation of leukemic myeloid cell lines into granulocytes and macrophages. G-CSF synthesis can be induced by bacterial endotoxins, TNF, Interleukin-1 and GM-CSF. Prostaglandin E2 inhibits G-CSF synthesis. In epithelial, endothelial, and fibroblastic cells, secretion of G-CSF is induced by Interleukin-17.

## Target Details

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Synonyms: Granulocyte, Colony-Stimulating Factor, CSF-3, MGI-1G, GM-CSF beta, pluripoietin

Molecular Weight: 25-28 kDa, observed by reducing SDS-PAGE.

UniProt: [P97712](#)

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

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: Reconstituted in ddH<sub>2</sub>O or PBS at 100 µg/mL.

Buffer: Lyophilized after extensive dialysis against PBS.

Storage: -80 °C

Storage Comment: Lyophilized recombinant Rat Granulocyte Colony-Stimulating Factor (G-CSF) remains stable up to 6 months at -80 °C from date of receipt. Upon reconstitution, Rat Granulocyte Colony-Stimulating Factor (G-CSF) should be stable up to 1 week at 4 °C or up to 2 months at -20 °C.

Expiry Date: 6 months