

Datasheet for ABIN7320539

**G-CSF Protein (His tag)****1** Image[Go to Product page](#)

## Overview

Quantity:	50 µg
Target:	G-CSF (CSF3)
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This G-CSF protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Mouse G-CSF/CSF3 Protein (His Tag)
Sequence:	Val31-Ala208
Characteristics:	Recombinant Mouse Granulocyte Colony-Stimulating Factor is produced by our Mammalian expression system and the target gene encoding Val31-Ala208 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

## Target Details

Target:	G-CSF (CSF3)
Alternative Name:	G-CSF/CSF3 ( <a href="#">CSF3 Products</a> )
Background:	Background: Granulocyte colony-stimulating factor (G-CSF) is a growth factor and an essential cytokine which belongs to the IL-6 superfamily. Granulocyte/macrophage colony-stimulating

## Target Details

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. G-CSF binding to its receptor G-CSF-R which belongs to the cytokine receptor type I family depends on the interaction of alpha-helical motifs of the former and two fibronectin type III as well as an immunoglobulin-like domain of the latter. G-CSF is a cytokine that have been demonstrated to improve cardiac function and perfusion in myocardial infarction. And it was initially evaluated as a stem cell mobilizer and erythropoietin as a cytoprotective agent.

Synonym: Granulocyte colony-stimulating factor,Csf3,G-CSF

Molecular Weight: 19.8 kDa

UniProt: [P09920](#)

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

## Application Details

Restrictions: For Research Use only

## Handling

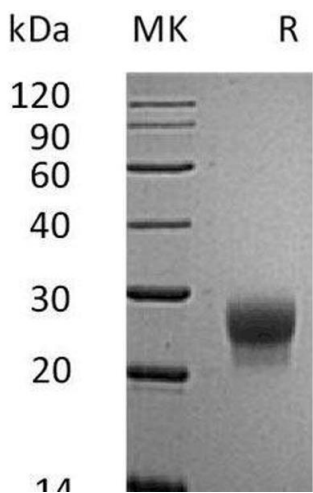
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4..

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.