

## Product datasheet

# Recombinant mouse G-CSF protein ab123845

### Overview

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<b>Product name</b>	Recombinant mouse G-CSF protein
<b>Protein length</b>	Full length protein

### Description

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<b>Nature</b>	Recombinant
<b>Source</b>	Escherichia coli
<b>Amino Acid Sequence</b>	
<b>Accession</b>	<a href="#">P09920</a>
<b>Species</b>	Mouse
<b>Sequence</b>	MVPLVTVSAL PPSLPLPRSF LLKSLEQVRK IQASGSVLE QLCATYKLCH PEELVLLGHS LGIPKASLSG CSSQALQQTQ CLSQLHSGLC LYQGLLQALS GISPALAPTL DLLQLDVANF ATTWQQMEN LGVAPTVQPT QSAMPAFTSA FQRRAGGVLA ISYLQGFLET ARLALHHLA
<b>Molecular weight</b>	19 kDa
<b>Amino acids</b>	31 to 208

### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab123845** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Biological activity</b>	The ED <sub>50</sub> as 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 > 2 x 10 <sup>7</sup> units/mg.
<b>Applications</b>	Functional Studies SDS-PAGE HPLC
<b>Purity</b>	> 98 % SDS-PAGE. Purity is greater than 98% as determined by HPLC and SDS-PAGE. Endotoxin Level: <0.1 ng/μg.
<b>Form</b>	Lyophilised

## Preparation and Storage

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### Stability and Storage

Shipped at 4°C. Store at -20°C. Store under desiccating conditions.

pH: 4.00

Constituent: 0.13% Sodium citrate

This product is an active protein and may elicit a biological response in vivo, handle with caution.

### Reconstitution

Reconstitute in H<sub>2</sub>O to a concentration of 0.1-1 mg/ml. The solution can then be diluted into other aqueous buffers and store at 4°C for 1 week or -20°C for future use. Reconstituted ab123845 should be stored at working aliquots at -20°C.

## General Info

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### Function

Granulocyte/macrophage colony-stimulating 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. This CSF induces granulocytes.

### Sequence similarities

Belongs to the IL-6 superfamily.

### Post-translational modifications

O-glycan consists of Gal-GalNAc disaccharide which can be modified with up to two sialic acid residues (done in recombinantly expressed G-CSF from CHO cells).

### Cellular localization

Secreted.

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**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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