

## Product datasheet

# Recombinant mouse GM-CSF protein (Active) ab9742

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### Description

<b>Product name</b>	Recombinant mouse GM-CSF protein (Active)	
<b>Biological activity</b>	The <b>ED<sub>50</sub></b> , as determined by the dose-dependent stimulation of the proliferation of murine FDC-P1 cells is $\leq 0.05$ ng/ml, corresponding to a specific activity of $\geq 2 \times 10^7$ units/mg.	
<b>Purity</b>	<p><math>\geq 98</math> % SDS-PAGE.</p> <p><math>\geq 98</math>% HPLC analyses. Sterile filtered.</p>	
<b>Endotoxin level</b>	< 1.000 Eu/ $\mu$ g	
<b>Expression system</b>	Escherichia coli	
<b>Accession</b>	<a href="#">P01587</a>	
<b>Protein length</b>	Full length protein	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Mouse	
<b>Sequence</b>	MAPTRSPITV TRPWKHVEAI KEALNLLDDM PVTLNEEVEV VSNEFSFKKL TCVQTRLKIF EQGLRGNFTK LKGALNMTAS YYQTYCPPTP ETD CETQVTT YADFIDSLKT FLTDIPFECK KPVQK	
<b>Predicted molecular weight</b>	14 kDa	
<b>Amino acids</b>	18 to 141	
<b>Additional sequence information</b>	Full length mature protein, minus the signal peptide.	

### Specifications

Our [Abpromise guarantee](#) covers the use of **ab9742** in the following tested applications.

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

<b>Applications</b>	Functional Studies SDS-PAGE HPLC
<b>Form</b>	Lyophilized

### Preparation and Storage

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<b>Stability and Storage</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.  This product is an active protein and may elicit a biological response in vivo, handle with caution.
<b>Reconstitution</b>	For lot specific reconstitution information please contact our Scientific Support Team.

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## General Info

<b>Function</b>	Cytokine that stimulates the growth and differentiation of hematopoietic precursor cells from various lineages, including granulocytes, macrophages, eosinophils and erythrocytes.
<b>Sequence similarities</b>	Belongs to the GM-CSF family.
<b>Cellular localization</b>	Secreted.

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

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