

## Product datasheet

# Recombinant mouse GM-CSF protein (Active) ab9742

★★★★★ [2 Abreviews](#) [1 References](#)

### 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 ≤ 0.05 ng/ml, corresponding to a specific activity of ≥ 2 x 10 <sup>7</sup> units/mg.
<b>Purity</b>	≥ 98 % SDS-PAGE. ≥ 98% HPLC analyses. Sterile filtered.
<b>Endotoxin level</b>	< 1.000 Eu/μg
<b>Expression system</b>	Escherichia coli
<b>Accession</b>	<b><u>P01587</u></b>
<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 ETDCETQVTT 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

<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.

---

## 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.

---

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

---

## Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

---

## Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors