

Datasheet for ABIN7321257  
**GM-CSF Protein (His tag)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	50 µg
Target:	GM-CSF (CSF2)
Origin:	Rat
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GM-CSF protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Rat GM-CSF/CSF2 Protein (His Tag)
Sequence:	Ala18-Lys144
Characteristics:	Recombinant Rat Granulocyte-Macrophage Colony-Stimulating Factor is produced by our Mammalian expression system and the target gene encoding Ala18-Lys144 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 LAL test.

## Target Details

Target:	GM-CSF (CSF2)
Alternative Name:	GM-CSF/CSF2 ( <a href="#">CSF2 Products</a> )
Background:	Background: Granulocyte-Macrophage Colony Stimulating Factor (GM-CSF) was initially characterized as a growth factor that can support the in vitro colony formation of granulocyte-

## Target Details

macrophage progenitors. It is produced by a number of different cell types (including activated T cells, B cells, macrophages, mast cells, endothelial cells and fibroblasts) in response to cytokine of immune and inflammatory stimuli. Besides granulocyte-macrophage progenitors, GM-CSF is also a growth factor for erythroid, megakaryocyte and eosinophil progenitors. On mature hematopoietic, monocytes/ macrophages and eosinophils. GM-CSF has a functional role on nonhematopoietic cells. It can induce human endothelial cells to migrate and proliferate. Additionally, GM-CSF can also stimulate the proliferation of a number of tumor cell lines, including osteogenic sarcoma, carcinoma and adenocarcinoma cell lines.

Synonym: Granulocyte-Macrophage Colony-Stimulating Factor, GM-CSF, Colony-Stimulating Factor, CSF, Molgramostin, Sargramostim, CSF2, GMCSF

Molecular Weight: 15.6 kDa

UniProt: [P48750](#)

Pathways: [JAK-STAT Signaling](#), [Cellular Response to Molecule of Bacterial Origin](#)

## Application Details

Restrictions: For Research Use only

## Handling

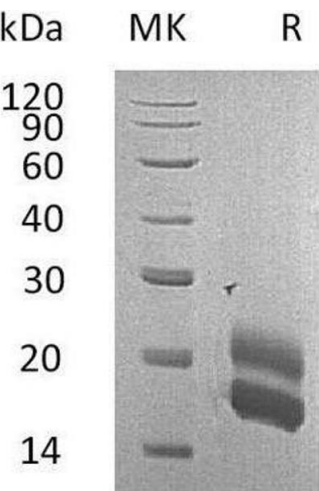
Format: Lyophilized

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.