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# **GM-CSF Protein (His tag)**

2 Images



#### Overview

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

### **Product Details**

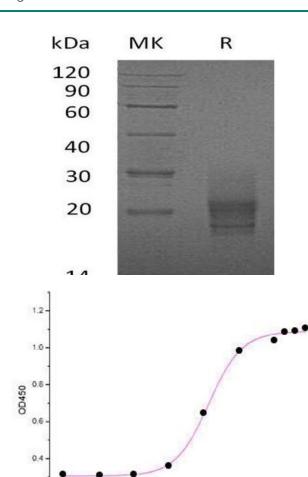
Purpose:	Recombinant Mouse GM-CSF/CSF2 Protein (His Tag)(Active)
Sequence:	Ala18-Lys141
Characteristics:	Recombinant Mouse Granulocyte-Macrophage Colony-Stimulating Factor is produced by our Mammalian expression system and the target gene encoding Ala18-Lys141 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Measured in a cell proliferation assay using PDC-P1 cells. The ED50 for this effect is 40-170 pg/ml.

#### **Target Details**

Target:	GM-CSF (CSF2)

# **Target Details**

Alternative Name:	GM-CSF/CSF2 (CSF2 Products)
Background:	Background: Granulocyte-Macrophage Colony Stimulating Factor (GM-CSF) was initially
	characterized as a growth factorthat can support the in vitro colony formation of granulocyte-
	macrophage progenitors. It is produced by anumber of different cell types (including activated
	T cells, B cells, macrophages, mast cells, endothelial cellsand fibroblasts) in response to
	cytokine of immune and inflammatory stimuli. Besides granulocyte-macrophageprogenitors,
	GM-CSF is also a growth factor for erythroid, megakaryocyte and eosinophil progenitors.
	Onmature hematopoietic, monocytes/ macrophages and eosinophils. GM-CSF has a functional
	role on nonhematopoitic cells. It can induce human endothelial cells to migrate and proliferate
	Additionally, GM-CSF canalso stimulate the proliferation of a number of tumor cell lines,
	including osteogenic sarcoma, carcinoma andadenocarcinoma cell lines.
	Synonym: Granulocyte-Macrophage Colony-Stimulating Factor, GM-CSF, Colony-Stimulating
	Factor, CSF,Molgramostin, Sargramostim, CSF2, GMCSF
Molecular Weight:	15.1 kDa
UniProt:	P01587
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 20 mM PB,150 mM NaCl, 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.



Mouse GM-CSF(pg/mL)

# **Western Blotting**

Image 1.

#### **ELISA**

Image 2.