

RP02372

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# Recombinant Human CSF-2/GM-CSF Protein

Catalog No.: RP02372

Recombinant

## Sequence Information

Species	Gene ID	Swiss Prot
Human	1437	P04141

### Tags

No Tag

### Synonyms

CSF2;GMCSF

## Product Information

### Source

E. coli

### Purification

> 95% by Tris-Bis PAGE;  
> 95% by SEC-HPLC

### Endotoxin

< 1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

### Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

## Background

## Basic Information

### Description

Recombinant Human GM-CSF Protein is produced by E.coli expression system. The target protein is expressed with sequence (Ala18-Glu144) of Human GM-CSF fused with no tag .

### Bio-Activity

### Storage

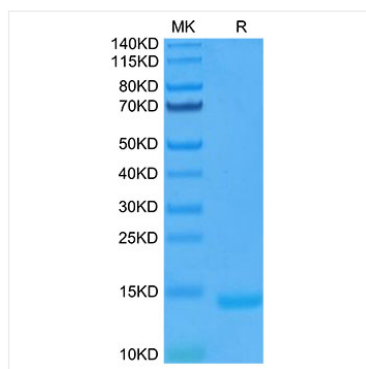
Store the lyophilized protein at -20°C to -80°C for long term. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

## Contact

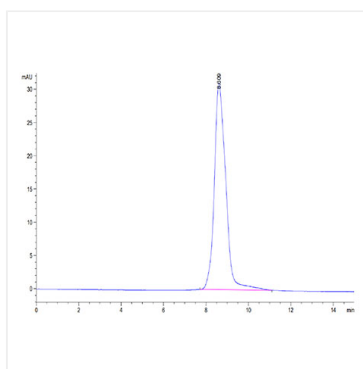


[www.abclonal.com](http://www.abclonal.com)

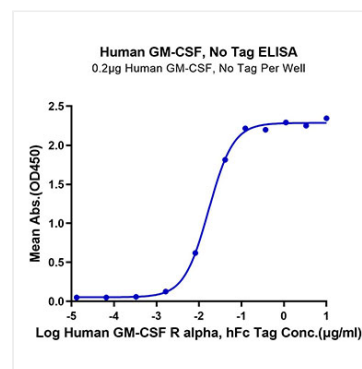
## Validation Data



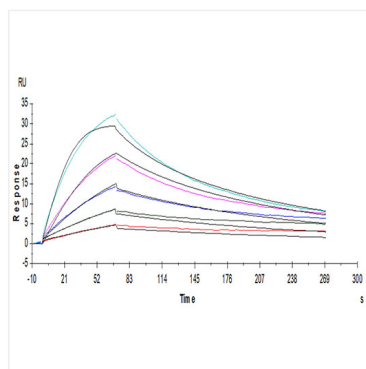
Human GM-CSF on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



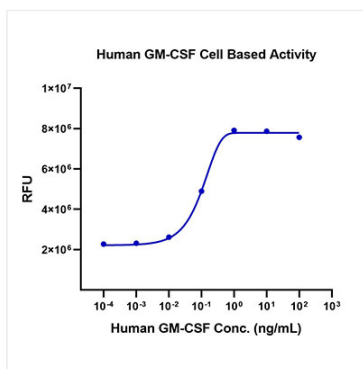
The purity of Human GM-CSF is greater than 95% as determined by SEC-HPLC.



Immobilized Human GM-CSF at 2μg/ml (100μl/Well) on the plate. Dose response curve for Human GM-CSF R alpha, hFc Tag with the  $EC_{50}$  of 16.9ng/ml determined by ELISA.



Human GM-CSF R alpha, His Tag captured on CM5 Chip via anti-His antibody can bind Human GM-CSF, No Tag with an affinity constant of 0.79nM as determined in SPR assay (Biacore T200).



The  $ED_{50}$  as determined by the dose-dependent stimulation of the proliferation of human TF-1 cells is  $\leq 0.1$  ng/mL.