

RP02339

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# Biotinylated Recombinant Human CSF2RA/GMCSFR-alpha/CD116 Protein

Catalog No.: RP02339 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	1438	P15509

### Tags

C-His&Avi

### Synonyms

CSF2RA;CD116;CDw116;CSF2R;CSF2RA X;CSF2RAY;CSF2RX;CSF2RY;GM-CSF-R-alpha;GMCSFR;GMR;SMDP4

## Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by 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

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Background

## Basic Information

### Description

Biotinylated Recombinant Human GM-CSF R alpha Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Glu23-Gly320) of Human GM-CSF R alpha fused with His tag and Avi tag at the C-terminal.

### Bio-Activity

### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. 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.

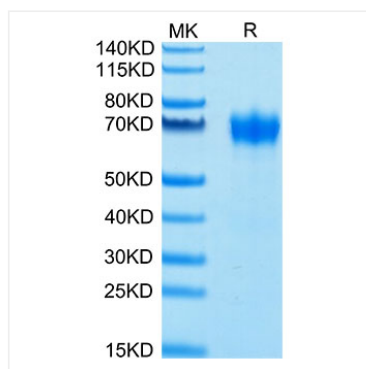
## Contact



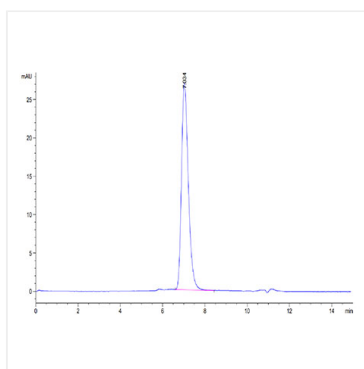
[www.abclonal.com](http://www.abclonal.com)

\* For your safety and health, please wear a lab coat and disposable gloves when handling.

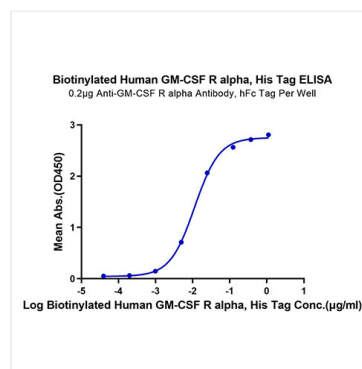
## Validation Data



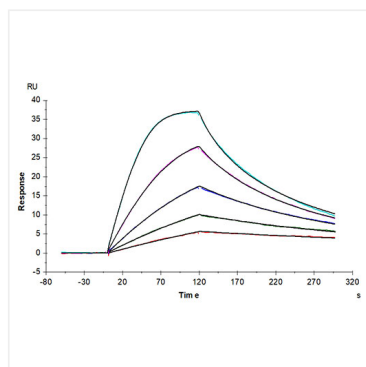
Biotinylated Recombinant Human CSF2RA/GMCSFR-alpha/CD116 Protein was determined by Tris-Bis PAGE under reducing conditions.



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



Immobilized Anti-GM-CSF R alpha Antibody, hFc Tag at 2μg/ml (100μl/well) on the plate. Dose response curve for Biotinylated Human GM-CSF R alpha, His Tag with the  $EC_{50}$  of 11.3ng/ml determined by ELISA.



Biotinylated Human GM-CSF R alpha, His-Avi Tag captured on CM5 Chip via Anti-His Antibody can bind Human GM-CSF, No Tag with an affinity constant of 1.68 nM as determined in SPR assay (Biacore T200).