

GM-CSF R alpha Recombinant Protein | GM-CSF recombinant protein

Biotinylated Human GM-CSF R alpha Protein Recombinant

CATALOG #	HOST
AAA76284	HEK293 cells (Note: Host protein expression may be lot-specific and can be subject to change during production, including bulk orders.)

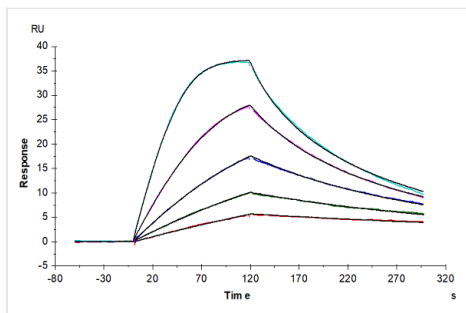
PRODUCT SYNONYMS

GM-CSF R alpha; Biotinylated Human GM-CSF R alpha Protein Recombinant; GM-CSF recombinant protein

PRODUCT SPECIFICATIONS

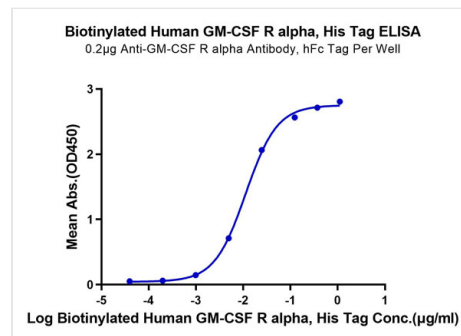
Host	HEK293 cells (Note: Host protein expression may be lot-specific and can be subject to change during production, including bulk orders.)
Purity/Purification	>95%, as determined by SDS-PAGE and HPLC
Form/Format	Recombinant Human GM-CSF R alpha was lyophilized from 0.2 um filtered PBS solution pH7.4
Source	DNA sequence encoding Human GM-CSF R alpha including a C-His-Avi tag was expressed in HEK293 Cells. The recombinant protein was then biotinylated site specific using the AVItag biotinylation technology.
Endotoxin	Endotoxin content was assayed using a LAL gel clot method. Endotoxin level was found to be less than 0.1 ng/ug (1EU/ug).
Reconstitution	Centrifuge vial to ensure maximal product extraction, recommended: 20sec, 5K RPM
Preparation and Storage	The lyophilized protein is stable for at least 2 years from date of receipt at -20 degree C.

IMAGES



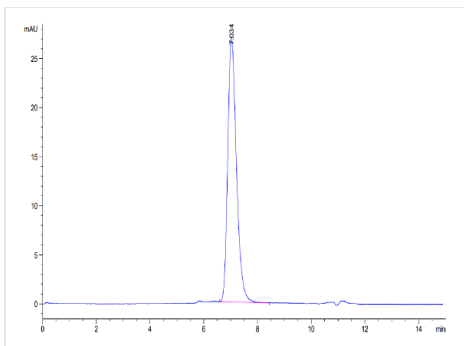
Application Data

Biotinylated Human GM-CSF R alpha Protein SPR Data: 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).



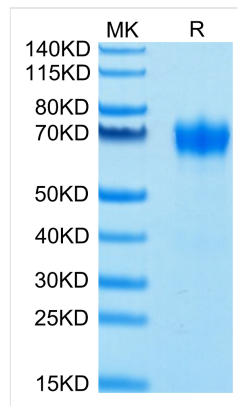
ELISA

Biotinylated Human GM-CSF R alpha Protein ELISA Data: Immobilized Anti-GM-CSF R alpha Antibody, hFc Tag at 2 µg/ml (100 µl/well) on the plate. Dose response curve for Biotinylated Human GM-CSF R alpha, His Tag with the EC50 of 11.3 ng/ml determined by ELISA.



Application Data

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



Tris-Bis-PAGE

Biotinylated Human GM-CSF R alpha Protein Tris-Bis PAGE Biotinylated Human GM-CSF R alpha on Tris-Bis PAGE under reduced conditions. The purity is greater than 95%.

ADDITIONAL INFORMATION

Product Categories/Family for GM-CSF recombinant protein

[Biotinylated proteins](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	238908515
NCBI GeneID	1438
NCBI Accession #	NP_001155001.1
NCBI GenBank Nucleotide #	NM_001161529.1
UniProt Accession #	P15509; P04141 CSF2_HUMAN; Receptor
Molecular Weight	46,207 Da
NCBI Official Full Name	granulocyte-macrophage colony-stimulating factor receptor subunit alpha isoform a
NCBI Official Synonym Full Names	colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage)
NCBI Official Symbol	CSF2RA
NCBI Official Synonym Symbols	GMR; CD116; CSF2R; SMDP4; CDw116; CSF2RX; CSF2RY; GMCSFR; CSF2RAX; CSF2RAY; GM-CSF-R-alpha
NCBI Protein Information	granulocyte-macrophage colony-stimulating factor receptor subunit alpha; GMR-alpha; GMCSFR-alpha; CD116 antigen; GM-CSF receptor alpha subunit; colony stimulating factor 2 receptor alpha subunit; granulocyte-macrophage colony-stimulating factor receptor a
UniProt Protein Name	Granulocyte-macrophage colony-stimulating factor receptor subunit alpha
UniProt Gene Name	CSF2RA
UniProt Synonym Gene Names	CSF2R; CSF2RY; GM-CSF-R-alpha; GMCSFR-alpha; GMR-alpha
UniProt Entry Name	CSF2R_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/csf2ra-recombinant-protein-hek293-cells/76284>