

Datasheet for ABIN7274426

M-CSF/CSF1 Protein (AA 33-190) (His-Avi Tag,Biotin)



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3 Images

Overview

Quantity:	100 µg
Target:	M-CSF/CSF1 (CSF1)
Protein Characteristics:	AA 33-190
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This M-CSF/CSF1 protein is labelled with His-Avi Tag,Biotin.

Product Details

Purpose:	Biotinylated Human M-CSF/CSF-1 Protein
Sequence:	Glu33-Asn190
Characteristics:	Recombinant Biotinylated Human M-CSF/CSF-1 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains Glu33-Asn190.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human M-CSF R, hFc Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human M-CSF, His Tag with the EC50 of 61.3ng/ml determined by ELISA. See testing image for detail.

Target Details

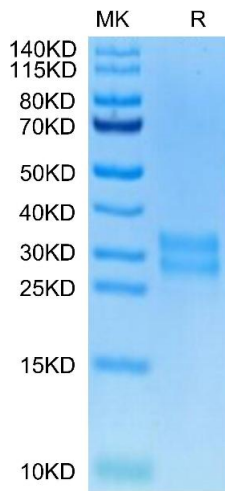
Target:	M-CSF/CSF1 (CSF1)
Alternative Name:	M-CSF (CSF1 Products)
Background:	CSF-1, also known as M-CSF , is a four alpha -helical-bundle cytokine that is the primary regulator of macrophage survival, proliferation and differentiation. CSF-1 is also essential for the survival and proliferation of osteoclast progenitors. CSF-1 is cytokine that plays an essential role in the regulation of survival, proliferation and differentiation of hematopoietic precursor cells, especially mononuclear phagocytes, such as macrophages and monocytes.
Molecular Weight:	21.3 kDa. Due to glycosylation, the protein migrates to 27-37 kDa based on Tris-Bis PAGE result.
Pathways:	RTK Signaling

Application Details

Restrictions:	For Research Use only
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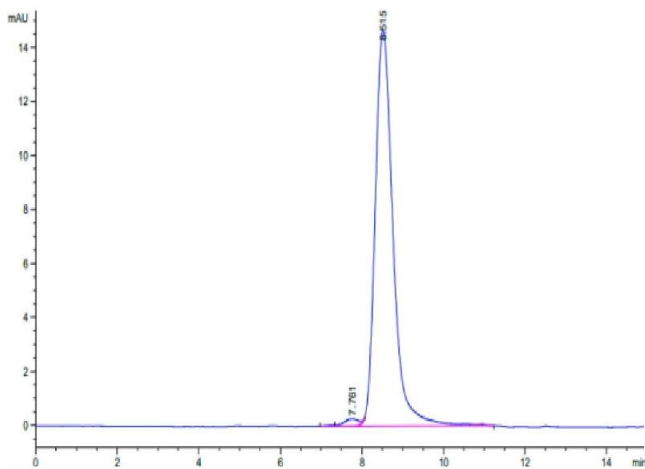
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

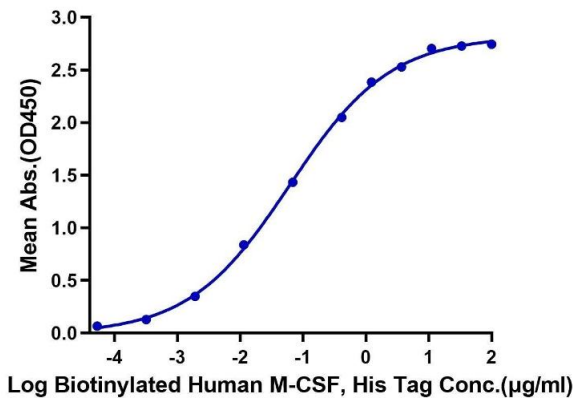
Image 1. Biotinylated Human M-CSF on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Biotinylated Human M-CSF is greater than 95 % as determined by SEC-HPLC.

Biotinylated Human M-CSF, His Tag ELISA
0.5µg Human M-CSF R, hFc Tag Per Well



ELISA

Image 3. Immobilized Human M-CSF R, hFc Tag at 5 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Human M-CSF, His Tag with the EC50 of 61.3 ng/mL determined by ELISA.