Active Recombinant Human CSF1 protein, His-Avi-tagged, Biotinylated

Cat. No. CSF1-420H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human CSF1 protein(Glu 33 - Arg 255), fused with His and Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Glu 33 - Arg 255
Form	Lyophilized from 0.22 μm filtered solution in PBS, pH7.4, 10% trehalose.
Bio-activity	Immobilized Human M-CSF R, Fc Tag at 2 μg/mL (100 μL/well) can bind Biotinylated Human M-CSF, His,Avitag with a linear range of 0.1-2 ng/mL. Immobilized Biotinylated Human M-CSF, His,Avitag at 2 μg/mL (100 μL/well) on streptavidin precoated (0.2 μg/well) plate, can bind Cynomolgus M-CSF R, Fc Tag with a linear range of 1-39 ng/mL.
Molecular Mass	This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag).The protein has a calculated MW of 28.8 kDa. The protein migrates as 35-48 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per μg by the LAL method.
Purity	>90% as determined by SDS-PAGE.

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Storage	For long term, the product should be stored at lyophilized state at -20°C or lower.Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
Conjugation	Biotin

GENE INFORMATION

Gene Name	CSF1 colony stimulating factor 1 (macrophage) [Homo sapiens]
Official Symbol	CSF1
Synonyms	CSF1; colony stimulating factor 1 (macrophage); macrophage colony-stimulating factor 1; M CSF; MCSF; MGC31930; lanimostim; CSF-1;
Gene ID	1435
mRNA Refseq	NM_000757
Protein Refseq	NP_000748
MIM	120420
UniProt ID	P09603

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