

Active Recombinant Human CSF1 protein, His-tagged

Cat. No. CSF1-565H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CSF1 protein(Met1-Asn190)(P09603-1), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Met1-Asn190
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	1. Immobilized M-CSF Protein, Human, Recombinant (His Tag) at 2 µg/mL (100 µL/well) can bind CSF1R Protein, Human, Recombinant (hFc & AVI Tag), Biotinylated, the EC50 is 8-50 ng/mL.2. Measured in a cell proliferation assay using M-NFS-60 mouse myelogenous leukemia lymphoblast cells.The ED50 for this effect is typically 2-8 ng/mL.
Molecular Mass	The recombinant human CSF1 consists of 169 amino acids and predicts a molecular mass of 19.8 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhCSF1 is approximately 27-32 kDa band due to glycosylation.
Endotoxin	< 1.0 EU per

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	µg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
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.

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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