

Active Recombinant Human CSF1 protein, His-tagged

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

SPECIFICATION

Product Overview	Active Recombinant Human CSF1 protein(Met 1-Asn 190)(P09603-1) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus. Human and Cynomolgus CSF1 sequences are identical.
Species	Human
Source	HEK293
ProteinLength	1-190 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	1. Measured by its binding ability in a functional ELISA. Immobilized human CSF1R at 10 µg/mL (100 µl/well) can bind biotinylated human CSF-1. The EC50 of biotinylated human CSF-1 is 8 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 0.4-2.3 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 µg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE

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Storage Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities 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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