

Active Recombinant Mouse CSF1 protein(Met1-Glu262), His-tagged

Cat. No. CSF1-414M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse CSF1 (P07141-1) (Met1-Glu262) was expressed in HEK293 with a C-terminal polyhistidine tag.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Glu262
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	1. Immobilized mouse CSF1-His at 10 µg/ml (100 µl/well) can bind mouse CSF1R-Fch, The EC50 of mouse CSF1R-Fch is 0.04-0.1 µg/ml. 2. Measured in a cell proliferation assay using M-NFS-60 mouse myelogenous leukemia lymphoblast cells. The ED50 for this effect is typically 2-10 ng/ml.
Molecular Mass	The recombinant mouse CSF1 comprises 241 amino acids and has a predicted molecular mass of 27.4 kDa. The apparent molecular mass of the protein is approximately 40-55 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method

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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) [<i>Mus musculus</i>]
Official Symbol	CSF1
Synonyms	CSF1; colony stimulating factor 1 (macrophage); macrophage colony-stimulating factor 1; osteopetrosis; op; Csfm; MCSF; C87615;
Gene ID	12977
mRNA Refseq	NM_001113529
Protein Refseq	NP_001107001

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