Active Recombinant Mouse Csf1 protein

Cat. No. Csf1-522M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Csf1 protein(P07141-1)(Met1-Glu262) was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Glu262
Form	Lyophilized from sterile PBS, pH 7.4.Please 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 mouse CSF1 at 2 μg/ml (100 μl/well) can bind mouse CSF1R-Fch, The EC50 of mouse CSF1R-Fch is 60-220 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 3-15 ng/mL.
Molecular Mass	The recombinant mouse CSF1 comprises 230 amino acids and has a predicted molecular mass of 26 kDa. The apparent molecular mass of the protein is approximately 45 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) [Mus musculus]
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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