Active Recombinant Mouse Csf1 Protein (Lys33-Pro187), C-His tagged, Animal-free, Carrier-free

Cat. No. Csf1-18M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Csf1 Protein (Lys33-Pro187) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Mouse
Source	E.coli
ProteinLength	Lys33-Pro187
Description	Macrophage Colony-Stimulating Factor (M-CSF) is a 19.02 kDa hematopoietic Growth Factors with 162 amino acid residues. The active form of the protein is homodimer, and secreted by osteoblasts. M-CSF controls the production, differentiation, and function of monocytes, macrophages, and bone marrow progenitor cells. M-CSF is able to activate CSF-1 signaling pathway via binding its receptor CSF-1R.
Form	Lyophilized
Bio-activity	Measure by its ability to induce proliferation in NFS-60 cells. The ED50 for this effect is < 2 ng/mL. The specific activity of recombinant mouse M-CSF is approximately >5 × 10^5 IU/mg.
Molecular Mass	The protein has a calculated MW of 19.02 kDa. The protein migrates as 17-25 kDa under reducing condition (SDS-PAGE analysis).

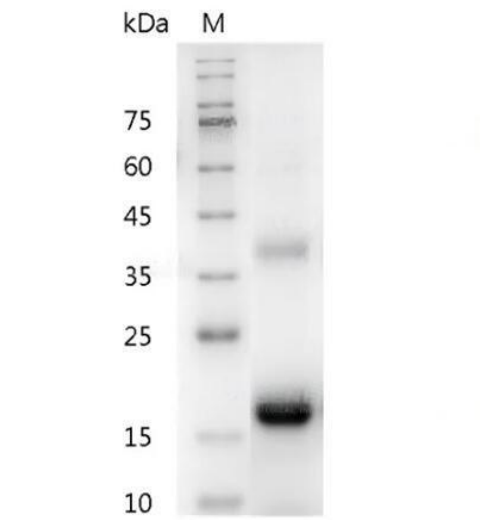
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Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 2 weeks under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	Csf1 colony stimulating factor 1 (macrophage) [Mus musculus (house mouse)]
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

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Protein Refseq	NP_001107001
UniProt ID	P07141
SDS-PAGE analysis of recombinant mouse M-CSF.	

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