Recombinant Mouse Csf1 protein, His/S-tagged

Cat. No. Csf1-178M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Csf1 fused with His/S tag was expressed in E. coli.
Species	Mouse
Source	E.coli
Description	Four distinct colony-stimulating factors (CSFs) that promote survival, proliferation and differentiation of bone marrow precursor cells have been well characterized: granulocyte macrophage CSF (GMCSF), granulocyte CSF (GCSF), macrophage CSF (MCSF), and Interleukin-3 (IL-3, Multi CSF). Both GMCSF and IL-3 are multipotential growth factors, stimulating proliferation of progenitor cells from more than one hematopoietic lineage. In contrast, GCSF and MCSF are lineage restricted hematopoietic growth factors, stimulating final mitotic divisions and the terminal cellular maturation of the partially differentiated hematopoietic progenitors.
Form	Lyophilized from sterile PBS, pH 7.4
Purity	> 95 % as determined by SDS-PAGE
Storage	Store at -70 centigrade. Avoid repeated freeze/thaw cycles.

GENE INFORMATION

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

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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
UniProt ID	P07141
Chromosome Location	3 F2.3; 3 46.83 cM
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Cytokines and Inflammatory Response (BioCarta), organism-specific biosystem; Hematopoietic cell lineage, organism-specific biosystem; Hematopoietic cell lineage, conserved biosystem; Osteoclast differentiation, organism-specific biosystem; Osteoclast differentiation, conserved biosystem;
Function	cytokine activity; growth factor activity; macrophage colony-stimulating factor receptor binding; protein binding; protein homodimerization activity; protein homodimerization activity;

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