

## Recombinant Mouse Csf1 protein, His/S-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Csf1 fused with His/S tag was expressed in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>Description</b>	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.
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4
<b>Purity</b>	> 95 % as determined by SDS-PAGE
<b>Storage</b>	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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<b>Official Symbol</b>	<a href="#">Csf1</a>
<b>Synonyms</b>	CSF1; colony stimulating factor 1 (macrophage); macrophage colony-stimulating factor 1; osteopetrosis; op; Csfm; MCSF; C87615;
<b>Gene ID</b>	<a href="#">12977</a>
<b>mRNA Refseq</b>	<a href="#">NM_001113529</a>
<b>Protein Refseq</b>	<a href="#">NP_001107001</a>
<b>UniProt ID</b>	<a href="#">P07141</a>
<b>Chromosome Location</b>	3 F2.3; 3 46.83 cM
<b>Pathway</b>	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;
<b>Function</b>	cytokine activity; growth factor activity; macrophage colony-stimulating factor receptor binding; protein binding; protein homodimerization activity; protein homodimerization activity;

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