

Recombinant Rat Csf1 protein, His/S-tagged

Cat. No. Csf1-179R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Csf1 fused with His/S tag was expressed in E. coli.
Species	Rat
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) [Rattus norvegicus]
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Official Symbol	Csf1
Synonyms	CSF1; colony stimulating factor 1 (macrophage); macrophage colony-stimulating factor 1; MCSF; CSF-1;
Gene ID	78965
mRNA Refseq	NM_023981
Protein Refseq	NP_076471
Chromosome Location	2q34
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; cytokine activity; growth factor activity; growth factor activity; macrophage colony-stimulating factor receptor binding; macrophage colony-stimulating factor receptor binding; protein homodimerization activity; protein homodimerization activity;

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