

Recombinant Mouse Csf1 Protein, His-tagged

Cat. No. Csf1-1283M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Csf1 Protein (Glu262-Leu432) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Glu262-Leu432
Description	Enables macrophage colony-stimulating factor receptor binding activity and protein homodimerization activity. Involved in several processes, including macrophage colony-stimulating factor signaling pathway; microglial cell proliferation; and positive regulation of gene expression. Acts upstream of or within several processes, including mammary gland development; osteoclast proliferation; and positive regulation of myeloid leukocyte differentiation. Located in extracellular space. Part of CSF1-CSF1R complex. Is expressed in several structures, including alimentary system; brain; genitourinary system; hemolymphoid system gland; and hindlimb long bone. Used to study osteopetrosis. Human ortholog(s) of this gene implicated in interstitial cystitis. Orthologous to human CSF1 (colony stimulating factor 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 18.3 kDa
Purity	> 97%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Csf1 colony stimulating factor 1 (macrophage) [<i>Mus musculus</i> (house mouse)]
Official Symbol	Csf1
Synonyms	Csf1; colony stimulating factor 1 (macrophage); op; Csfm; MCSF; BAP025; C87615; Mhdabap25; macrophage colony-stimulating factor 1; osteopetrosis; EC 2.7.10.1
Gene ID	12977
mRNA Refseq	NM_001113529
Protein Refseq	NP_001107001
UniProt ID	P07141

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