

## Active Recombinant Mouse Csf1 Protein

Cat. No. Csf1-222C Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Csf1 Protein without tag was expressed in CHO.
<b>Species</b>	Mouse
<b>Source</b>	CHO
<b>Description</b>	Macrophage-Colony Stimulating Factor (M-CSF), also known as Colony Stimulating Factor-1 (CSF-1), can stimulate the survival, proliferation and differentiation of mononuclear phagocytes, in addition to the spreading and motility of macrophages. M-CSF is mainly produced by monocytes, macrophages, fibroblasts, and endothelial cells. M-CSF interaction with its receptor, c-fms, has been implicated in the growth, invasion, and metastasis of several diseases, including breast and endometrial cancers.
<b>Form</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Bio-activity</b>	ED50 < 3 ng/mL, measured in a cell proliferation assay using Murine M-NFS-60 cells, corresponding to a specific activity of > 3.3 × 10 <sup>5</sup> units/mg.
<b>Molecular Mass</b>	35-44 kDa, observed by non-reducing SDS-PAGE.
<b>AA Sequence</b>	KEVSEHCSHMIGNGHLKVLQQLIDSQMETSCQIAFEFVDQEQLDDPVCYLKKAFFLV QDIIDETMRFKDNTPNANATERLQELSNLNSCFTKDYEEQNKACVRTFHETPLQLL EKIKNFFNETKNLLEKDWNIFTKNCNNSFAKCSSRDVVTKP

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<b>Endotoxin</b>	< 0.2 EU/μg, determined by LAL method.
<b>Purity</b>	> 95% as analyzed by SDS-PAGE and HPLC.
<b>Storage</b>	Lyophilized recombinant murine Macrophage-Colony Stimulating Factor (M-CSF) remains stable up to 6 months at -80 centigrade from date of receipt. Upon reconstitution, rmM-CSF should be stable up to 1 week at 4 centigrade or up to 2 months at -20 centigrade.
<b>Storage Buffer</b>	Lyophilized after extensive dialysis against PBS.
<b>Reconstitution</b>	Reconstituted in ddH <sub>2</sub> O or PBS at 100 μg/mL.

## GENE INFORMATION

<b>Gene Name</b>	Csf1 colony stimulating factor 1 (macrophage) [ <i>Mus musculus</i> ]
<b>Official Symbol</b>	Csf1
<b>Synonyms</b>	CSF1; colony stimulating factor 1 (macrophage); macrophage colony-stimulating factor 1; osteopetrosis; op; Csfm; MCSF; C87615;
<b>Gene ID</b>	12977
<b>mRNA Refseq</b>	NM_001113529
<b>Protein Refseq</b>	NP_001107001
<b>UniProt ID</b>	P07141

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