

Active Recombinant Mouse Csf1 Protein

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

SPECIFICATION

Product Overview	Recombinant Mouse Csf1 Protein without tag was expressed in CHO.
Species	Mouse
Source	CHO
Description	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.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	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 ⁵ units/mg.
Molecular Mass	35-44 kDa, observed by non-reducing SDS-PAGE.
AA Sequence	KEVSEHCSHMIGNGHLKVLQQLIDSQMETSCQIAFEFVDQEQLDDPVCYLKKAFFLV QDIIDETMRFKDNTPNANATERLQELSNLNSCFTKDYEEQNKACVRTFHETPLQLL EKIKNFFNETKNLLEKDWNIFTKNCNNSFAKCSSRDVVTKP

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Endotoxin	< 0.2 EU/μg, determined by LAL method.
Purity	> 95% as analyzed by SDS-PAGE and HPLC.
Storage	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.
Storage Buffer	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH ₂ O or PBS at 100 μg/mL.

GENE INFORMATION

Gene Name	Csf1 colony stimulating factor 1 (macrophage) [<i>Mus musculus</i>]
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

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