

Active Recombinant Mouse Csf2

Cat. No. Csf2-9789M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Csf2 was expressed in CHO Cells.
Species	Mouse
Source	CHO
Description	Granulocyte Macrophage Colony Stimulating Factor (GM-CSF) was initially characterized as a growth factor that can support the in vitro colony formation of granulocyte-macrophage progenitors. It is produced by a number of different cell types (including activated T cells, B cells, macrophages, mast cells, endothelial cells and fibroblasts) in response to cytokine or immune and inflammatory stimuli. Besides granulocyte-macrophage progenitors, GM-CSF is also a growth factor for erythroid, megakaryocyte and eosinophil progenitors. On mature hematopoietic cells, GM-CSF is a survival factor for and activates the effectors functions of granulocytes, monocytes/macrophages and eosinophils.
Form	Lyophilized after extensive dialysis against PBS.
Bio-activity	ED50 < 0.05 ng/ml, measured in a cell proliferation assay using mouse fdc-p1 cells, corresponding to a specific activity of > 2 x 10 ⁷ units/mg.
Molecular Mass	15~19 kDa, observed by non-reducing SDS-PAGE.
AA Sequence	A18-K141

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Endotoxin	<0.2 eu/μg,="" determined="" by="" la="">
Purity	>95% as analyzed by SDS-PAGE and HPLC.
Storage	Lyophilized recombinant protein remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, rmGM-CSF should be stable up to 1 week at 4°C or up to 2 months at -20°C.
Reconstitution	Reconstituted in ddH ₂ O or PBS at 100 μg/ml.

GENE INFORMATION

Gene Name	Csf2 colony stimulating factor 2 (granulocyte-macrophage) [Mus musculus]
Official Symbol	Csf2
Synonyms	CSF2; colony stimulating factor 2 (granulocyte-macrophage); granulocyte-macrophage colony-stimulating factor; CSF; put. GM-CSF; colony-stimulating factor; granulocyte-macrophage colony stimulating factor 2; Csfgm; GMCSF; Gm-CSf; MGI-IGM; MGC151255; MGC151257;
Gene ID	12981
mRNA Refseq	NM_009969
Protein Refseq	NP_034099
UniProt ID	Q14AD9
Pathway	Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; Cytokine-

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cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Cytokines and Inflammatory Response (BioCarta), organism-specific biosystem; Fc epsilon RI signaling pathway, organism-specific biosystem;

Function

cytokine activity; cytokine activity; granulocyte macrophage colony-stimulating factor receptor binding; growth factor activity;

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