

Active Recombinant Human CSF2 Protein, Animal Free

Cat. No. CSF2-17H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CSF2 Protein without tag was expressed in Human cells. Animal Free and Xeno Free
Species	Human
Source	Human Cells
Description	Granulocyte macrophage colony stimulating factor (GM-CSF) is a cytokine initially characterized by its ability to induce colonies of granulocytes and macrophages from myeloid progenitor cells. It is produced in endothelial cells, monocytes, fibroblasts and T lymphocytes. GM-CSF stimulates the growth and differentiation of hematopoietic precursor cells from various lineages, including granulocytes, macrophages, eosinophils and erythrocytes.
Bio-activity	The activity was measured by its ability to stimulate the proliferation of human TF-1 cells (human erythroleukemic indicator cell line).
Molecular Mass	15-36 kDa
Endotoxin	<0.5 EU/ µg
Purity	High Purity, >95% by SDS-PAGE
Stability	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. In general: 12 months from date of receipt, -20 to -80 centigrade as supplied. 1 month, 2 to 8

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centigrade under sterile conditions after reconstitution. 3 months, -20 to -80 centigrade under sterile conditions after reconstitution.

Storage Buffer Lyophilized from a 0.2 µm filtered solution in PBS without carrier protein

Reconstitution Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile PBS containing 0.1% endotoxin-free recombinant human serum albumin.

GENE INFORMATION

Gene Name CSF2 colony stimulating factor 2 [Homo sapiens (human)]

Official Symbol CSF2

Synonyms CSF2; colony stimulating factor 2; CSF; GMCSF; granulocyte-macrophage colony-stimulating factor; colony stimulating factor 2 (granulocyte-macrophage); granulocyte macrophage-colony stimulating factor; molgramostim; molgramostin; sargramostim

Gene ID 1437

mRNA Refseq NM_000758

Protein Refseq NP_000749

MIM 138960

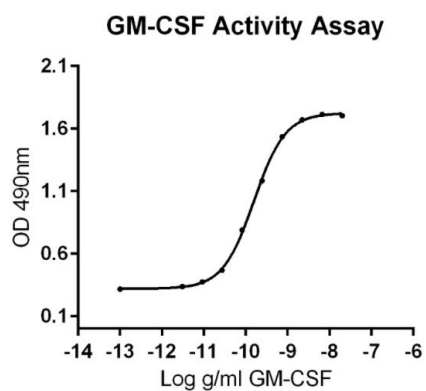
UniProt ID P04141

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Activity assay



SDS-PAGE



M=ladder
NR=Non reduced
R=Reduced

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