

## Active Recombinant Human CSF2 Protein, Animal Free

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

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant Human CSF2 Protein without tag was expressed in Human cells.<br>Animal Free and Xeno Free   |
| <b>Species</b>          | Human   |
| <b>Source</b>           | Human Cells   |
| <b>Description</b>      | 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. |
| <b>Bio-activity</b>     | The activity was measured by its ability to stimulate the proliferation of human TF-1 cells (human erythroleukemic indicator cell line).  |
| <b>Molecular Mass</b>   | 15-36 kDa   |
| <b>Endotoxin</b>        | <0.5 EU/ µg   |
| <b>Purity</b>           | High Purity, >95% by SDS-PAGE   |
| <b>Stability</b>        | 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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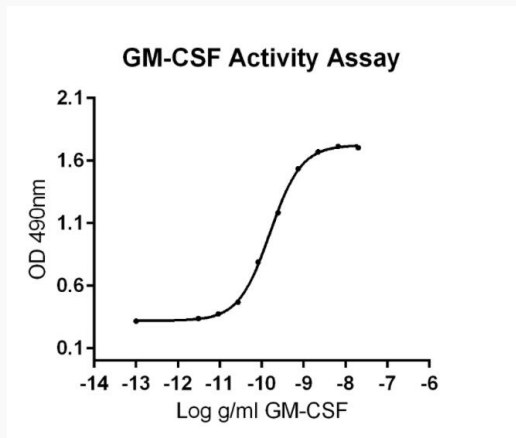
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**SDS-PAGE**



M=ladder  
NR=Non reduced  
R=Reduced

**Activity assay**



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