

## 32-20156: Animal-Free Recombinant Rat GM-CSF(Discontinued)

**Reactivity :** Mouse, Rat

**Alternative Name :** Granulocyte-Macrophage Colony-Stimulating Factor, CSF-2, MGI-1GM, Pluripoietin-Alpha

### Description

**Source:** **E.coli** GM-CSF is a hematopoietic growth factor that stimulates the development of neutrophils and macrophages and promotes the proliferation and development of early erythroid megakaryocytic and eosinophilic progenitor cells. It is produced in by endothelial cells, monocytes, fibroblasts and T-lymphocytes. GM-CSF inhibits neutrophil migration and enhances the functional activity of the mature end-cells. The human and murine molecules are species-specific and exhibit no cross-species reactivity. Recombinant Rat GM-CSF is a 14.5 kDa globular protein consisting of 128 amino acids residues.

### Product Info

**Amount :** 5 µg / 20 µg

**Purification :** Purity:  $\geq 98\%$  by SDS-PAGE gel and HPLC analyses.

**Content :** This recombinant protein is supplied in lyophilized form.

**Amino Acid :** MAPTRSPNPV TRPWKHVDI KEALSLLNDM RALENEKNED VDIISNEFSI QRPTCVQTRL KLYKQGLRGN  
LTKLNGALTM IASHYQTNCP PTPETDCEIE VTFEDFIKN LKGFLFDIPF DCWKPVQK

### Application Note

Determined by its ability to stimulate the proliferation of mouse FDC-P1 cells. The expected  $ED_{50}$  is  $\leq 0.01$  ng/ml, corresponding to a specific activity of  $\geq 1 \times 10^8$  units/mg.