

## 32-20155: Recombinant Rat GM-CSF(Discontinued)

**Reactivity :** Human, 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 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 acid 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 TRPWKHVDAI KEALSLLNDM RALENEKNED VDIISNEFSI QRPTCVQTRL KLYKQGLRGN  
LTKLNGALTM IASHYQTNCP PTPETDCEIE VTTFEDFIKN LKGFLFDIPF DCWKPVQK

### Application Note

The  $ED_{50}$  was determined by the dose-dependent stimulation of the proliferation of Murine FDC-P1 cells is  $\leq 0.01$  ng/ml, corresponding to a specific activity of  $\geq 1.0 \times 10^8$  units/mg.