

# Rat GM CSF Recombinant Protein



RPPB0358

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## Product Information    Protein Information

**Product SKU:**

RPPB0358

**Accession:**

P48750

**Host:**

Escherichia Coli.

**Protein description:**

Granulocyte Macrophage Colony Stimulating Factor Rat Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 128 amino acids and having a molecular mass of 14590.65 Dalton. GM-CSF Rat Recombinant is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

CSF-2, MGI-1GM, GM-CSF, Pluripoietin-alpha, Molgramostin, Sargramostim.

**Formulation:**

GM-CSF Rat was lyophilized with no additives.

**Purity:**

Greater than 96.0% as determined by:(a)Analysis by RP-HPLC.(b)Analysis by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized Granulocyte Macrophage Colony Stimulating Factor in sterile 18MΩ-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

Lyophilized Granulocyte Macrophage Colony Stimulating Factor although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution GMCSF should be stored at 4°C between 2-7 days and for future use below -18°C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

**Amino Acid Sequence:**

MAPTRSPNPV TRPWKHVDAL KEALLNDM RALENEKND VDIISNEFSI QRPTCVQTRL KLYKQGLRGN  
LTKLNGALTM IASHYQTNCP PTPETDCEIE VTFEDFIKN LKGFLFDIPF DCWKPVQK.

**Biological Activity:**

The ED<sub>50</sub> as calculated by the dose-dependent stimulation of the proliferation of murine FDC-P1 cells is less than 0.01ng/ml, corresponding to a specific activity of > 1×10<sup>8</sup>units/mg.