

# Porcine GMCSF Recombinant Protein



RPPB0361

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## Product Information    Protein Information

**Product SKU:**

RPPB0361

**Accession:**

P48750

**Host:**

Escherichia Coli.

**Protein description:**

Granulocyte Macrophage-Colony Stimulating Factor Porcine Recombinant produced in E. coli is a non-glycosylated monomer chain containing 128 amino acids and having a molecular mass of 14.5kDa. GMCSF 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:**

The protein was lyophilized from a sterile (0.2µm) filtered solution containing 10mM sodium phosphate, pH 7.5.

**Purity:**

Greater than 95.0% as determined by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized GMCSF 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 GMCSF 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. Please prevent freeze-thaw cycles.

**Amino Acid Sequence:**

MAPTRPPSPV TRPWQHVDAl KEALSLNNS NDTAAVMNET VDVCEMFDP QEPTCVQTRL NLYKQGLRGS  
LTRLKSPRTL LAKHYEQHCP LTEETSCETQ SITFKSFKDS LNKFLTIPF DCWGPVKK.

**Biological Activity:**

The ED<sub>50</sub>, as determined by TF-1 cell proliferation is 4.52ng/ml corresponding to a specific activity which is 2.2 x 10<sup>5</sup> units/mg.