

# Monkey GM CSF Recombinant Protein



RPPB0359

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## Product Information    Protein Information

**Product SKU:**

RPPB0359

**Accession:**

Q0MUT8

**Host:**

Escherichia Coli.

**Protein description:**

Granulocyte Macrophage Colony Stimulating Factor Monkey Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 127 amino acids and having a molecular mass of 14.4 kDa. GM-CSF is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

CSF-2, MGI-1GM, GM-CSF, Pluripoietin-alpha, MGC131935, MGC138897.

**Formulation:**

GM-CSF was lyophilized from a concentrated (1mg/ml) solution containing 1x PBS pH 7.4.

**Purity:**

Greater than 98.0% as determined by SDS-PAGE and RP-HPLC.

**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. 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:**

APARSPSPGT QPWEHVNAIQ EARRLLNLSR DTAAEMNKTV EVVSEMFDLQ EPSCLQTRLE LYKQGLQGSL  
TKLKGPLTMM ASHYKQHCPP TPETSCATQI ITFQSFKENL KDFLLVIPFD CWEPVQE.

**Biological Activity:**

The ED<sub>50</sub> as determined by a cell proliferation assay using human TF-1 cells is less than 0.1ng/ml, corresponding to a specific activity of > 10,000,000 IU/mg.