Rat GM-CSF

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

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order#	Lot#	Expiry Date
20 µg	1450.970.020		
100 µg	1450.970.100		
1 mg	1450.970.199		

Please enquire for bulk quantities and other vial sizes.

Description

Recombinant rat Granulocyte Macrophage Colony Stimulating Factor produced in *E.Coli* is a single, non-glycosylated, polypeptide chain containing 128 amino acids and having a molecular mass of 14590.65Da.

- **Biological Activity** ≥ 1 x 10^8 units/mg
- **Source** *E. coli*
- **Purity** ≥ 96 % (SDS-PAGE, RP-HPLC)
- **Endotoxin Level** ≤ 0.1 ng/µg (≤ 1 EU/µg)
- **Buffer** GM-CSF Rat was lyophilized with no additives*
- **Physical State** Sterile filtered, lyophilized

Biological Activity

The ED_{50} 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 > 1×108units/mg.

Reconstitution

We recommend a quick spin followed by reconstitution in sterile water to a concentration of at least 100 µg/ml, which can then be further diluted to other aqueous solutions. Do not vortex.

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, order number: 2835.955.xyz or 2835.958.xyz, or BSA, order number: 2835.919.xyz). Please avoid repeated freeze-thaw cycles.

Amino Acid Sequence

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MAPTRSPNPV TRPWKHVDAI KEALSLLNDM RALENEKNED VDIISNEFSI QRPTCVQTR LKLYKQGLRG
NLTKLNGALT MIASHYQTNC PPTPETDCEI E VTTFEDFI KNLKGFLFDI PFDCWKPVQK
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Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

ORDERING
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