

## 32-6382: GMCSF Poricne, His

**Application :** Functional Assay

**Alternative Name :** CSF-2, MGI-1GM, GM-CSF, Pluripoietin-alpha, Molgramostin, Sargramostim

### Description

Source: Escherichia Coli.

Sterile Filtered colorless solution.

The hematopoietic growth factor GM-CSF or granulocyte macrophage colony-stimulating factor, stimulates the development of neutrophils & macrophages, enhance proliferation and development of early erythroid megakaryocytic & eosinophilic progenitor cells. GM-CSF is secreted from the fibroblasts, monocytes, T-lymphocytes & endothelial cells. This protein blocks the migration of neutrophils & induces the biological activity of mature end-cells.

GMCSF Poricne Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 148 amino acids (18-144a.a.) and having a molecular mass of 16.6kDa. GMCSF is fused to a 21 amino acid His tag at N-Terminus and purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 2 µg / 10 µg

**Purification :** Greater than 95.0% as determined by SDS-PAGE.

**Content :** GMCSF protein solution (0.5mg/ml) containing Phosphate-Buffered Saline (pH7.4).

**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MAPTRPPSPV TRPWQHVD AI KEALSLLNNS NDTAAVMNET  
VDVVCMEFDP QEPTCVQTRL NLYKQGLRGS LTRLKSPLTL LAKHYEQHCP LTEETSCETQ SITFKSFKDS  
LNKFLFTIPF DCWGPVKK

### Application Note

The ED50 range is <= 40 ng/ml, and is measured in a cell proliferation assay using TF-1 human erythroleukemic cells.