

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 SGLVPRGSH MAPTRPPSPV TRPWQHVD AI KEALSLLNNS NDTAAVMNET
VDVVCEMFDP 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.