
Product Data Sheet

Product Name: GMCSF Poricne, His

Cat. No.: GP26029

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	withIcePacks
Synonyms	CSF-2, MGI-1GM, GM-CSF, Pluripoietin-alpha, Molgramostin, Sargramostim		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MAPTRPPSPV TRPWQHVD AI KEALSLLNNS NDTAAVMNET VDVVCEMFDP QEPTCVQTRL NLYKQGLRGS LTRLKSPLTL LAKHYEQHCP LTEETSCETQ SITFKSFKDS LNKFLTIPF DCWGPVKK		
Formulation	GMCSF protein solution (0.5mg/ml) containing Phosphate-Buffered Saline (pH7.4).		

Introduction

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.

Biological Activity

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

Stability

Store at 46yC if entire vial will be used within 2-4 weeks. Store, frozen at -206yC 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.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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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.

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