
Product Data Sheet

Product Name: M CSF Human, His
 Cat. No.: GP20735
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CSF-1; Lanimostim; MCSF; MGC31930; M-CSF.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MEEVSEYCSH MIGSGHLQSL QRLIDSQMET SCQITFEFVD QEQLKDPVCY LKKAFLLVQD IMEDTMRFRD NTPNAIAIVQ LQELSLRLKS CFTKDYEEHD KACVRTFYET PLQLLEKVKN VFNETKNLLD KDOWNIFSKNC NNSFAECSSQ DVVTKPDCN.		
Formulation	The MCSF protein solution contains 20mM Tris-HCl, pH-8, 2mM DTT & 10% Glycerol.		

Introduction

Granulocyte/Macrophage Colony-Stimulating Factors are cytokines that act in hematopoiesis by controlling the production, differentiation, and function of 2 related white cell populations of the blood, the granulocytes and the monocytes-macrophages. CSF-1 induces cells of the monocyte/macrophage lineage. It plays a role in immunological defenses, bone metabolism, lipoproteins clearance, fertility and pregnancy.

Stability

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.

Background

Macrophage Colony Stimulating Factor Human Recombinant produced in E.coli is a single, non-glycosylated, polypeptide chain containing 179 amino acids (33-190 a.a.) and having a total molecular mass of 20.7 kDa. MCSF is fused to a 20 amino acid His Tag at N-terminus and purified by proprietary chromatographic techniques.

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

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