
Product Data Sheet

Product Name: M CSF Mouse
 Cat. No.: GP20736
 Batch No.: 1

Product Data

Purity	Greater than 95.0% as determined by SDS-PAGE.	Source	Escherichia Coli.
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.	Shipping Condition	Shipped at Room temp.
Synonyms	CSF-1; Lanimostim; MCSF; M-CSF.		
Amino Acid Sequence	MKEVSEHCSH MIGNGHLKVL QQLIDSQMET SCQIAFEFVD QEQLDDPVCY LKKAFFLVQD IIDETMRFKD NTPNANATER LQELSNLNS CFTKDYEEQN KACVRTFHET PLQLLEKIKN FFNETKNLLE KDWNIFTKNC NNSFAKCSSR DVVTKP.		
Solubility	It is recommended to reconstitute the lyophilized M-CSF in sterile 18MΩ-cm H ₂ O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	The protein was lyophilized from a sterile (0.2μm) filtered solution containing 10mM sodium phosphate, 50mM sodium chloride, pH 7.5.		

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.

Biological Activity

The ED₅₀, as calculated by the dose-dependant stimulation of the proliferation of murine M-NFS-60 indicator cells is 2.1ng/ml corresponding to a specific activity of 4.8x10⁵ units/mg.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

Stability

Lyophilized M-CSF although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution MCSF should be stored at 4°C between 2-7 days and for future use below -18°C . Please prevent freeze-thaw cycles.

Background

Macrophage Colony Stimulating Factor Mouse Recombinant produced in E.coli is a disulfide linked homodimer, non-glycosylated, polypeptide chain containing 2 x 156 amino acids and having a total molecular mass of 36.4 KD. MCSF is purified by proprietary chromatographic techniques.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA