
Product Data Sheet

Product Name: M CSF Rat HEK
Cat. No.: GP20737
Batch No.: 1

Product Data

Purity	>98%	Source	HEK293
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	CSF-1; Lanimostim; MCSF; MGC31930; M-CSF.		
Solubility	It is recommended to reconstitute theMCSF in sterile PBS not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	The recombinantMCSF was lyophilized after extensive dialysis against PBS.		

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 of 3-4ng/ml is measured by its ability to stimulate the proliferation of mouse M-NFS-60 cells.

Stability

Lyophilized MCSF 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 .For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

Background

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

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MCSF Rat Recombinant produced in HEK-293 cells is a secreted protein (amino acids Glu33-Arg254). M-CSF is disulfide-linked homodimer containing 2 x 222 a.a chains.

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