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San Diego, CA 92191
Tel: 760-390-3989

M CSF Human, Baculovirus

Macrophage Colony Stimulating Factor Human Recombinant, Baculovirus
GRF0250

Product Overview

Name	M CSF Human, Baculovirus

Description

Macrophage Colony Stimulating Factor Human Recombinant, Baculovirus

Accession (Primary)	P09603

Synonyms

CSF-1, Lanimostim, MCSF, MGC31930, M-CSF, Macrophage colony-stimulating factor 1, CSF1.

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.

Source

Baculovirus infected Silkworm.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

The lyophilized protein (1mg/ml) was lyophilized with 20mM phosphate buffer, 1% HSA and 3% manntiol.

Stability

Lyophilized Macrophage Colony Stimulating Factor 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.

Purity

Greater than 95.0% as determined by(a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Amino acid sequence

EEVSEYCSHM IGSGHLQSLQ RLIDSQMETS CQITFEFVDQ EQLKDPVCYL KKAFLLVQDI MEDTMRFRDN TPNAIAIVQL QELSLRLKSC FTKDYEEHDK ACVRTFYETP LQLLEKVKNV FNETKNLLDK DWNIFSKNCN NSFAECSSQ.

Biological Activity

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The ED50, calculated by the dose-dependant stimulation of the proliferation of murine M-NFS-60 indicator cells was found < 3ng/ml, corresponding to a specific activity of less than 333,333.33units/mg.

Solubility

It is recommended to reconstitute the lyophilized M-CSF in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

M CSF Human, Baculovirus is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P09603)