



Macrophage Colony Stimulating Factor, HEK, rat recombinant (rrM-CSF-HEK)

Catalog No: 97536
Lot No: XXXXX
Source: HEK293
Synonyms: CSF-1, Lanimostim, MCSF, MGC31930, M-CSF

Background

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.

Description

Macrophage Colony Stimulating Factor 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 amino acid chains.

Physical Appearance

Sterile filtered white lyophilized (freeze-dried) powder.

Formulation

Recombinant MCSF was lyophilized after extensive dialysis against PBS.

Solubility

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

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.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Activity

The ED50 of 3 - 4 ng/ml is measured by its ability to stimulate the proliferation of mouse M-NFS-60 cells.

Usage

This product is offered by Biomol for research purposes only. Not for diagnostic purposes or human use. It may not be resold or used to manufacture commercial products without written approval of Biomol GmbH.

CONTACT US TODAY

BIOMOL GmbH • Kieler Straße 303a • 22525 Hamburg • Germany • info@biomol.de • www.biomol.de

Fon: +49 (0)40-853 260 0 • TOLL FREE IN GERMANY: Fon: 0800-246 66 51