

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten! See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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DATA SHEET

GFM8AF

Recombinant Mouse MCSF (Animal-Free)

Description

Macrophage Colony Stimulating Factor (MCSF) is a hematopoietic growth factor that is widely produced by a variety of cells. MCSF stimulates the proliferation and differentiation of hematopoietic stem cells into monocyte and macrophage cell types. MCSF also acts through the colony stimulating factor 1 receptor (CSF1R) to modulate processes involved in immunology, bone metabolism, fertility, and pregnancy. Human MCSF shows activity on mouse cells, however mouse MCSF shows no activity on human cells.

This product is produced with no animal derived raw products. All processing and handling employs animal free equipment and animal free protocols.

 Length
 156 / 312 aa

 Molecular Weight
 18.2 / 36.4 kDa

Source E. coli Accession Number P07141

Purity ≥95% determined by reducing and non-reducing SDS-PAGE

Specifications

Alternative Names Macrophage Colony Stimulating Factor, M-CSF, MGI-IM, CSF-1

Biological Activity Mouse MCSF (Animal-Free) is fully biologically active when compared to standard. The activity is determined

by the ability to induce NFS-60 cells proliferation and it is typically less than 10 ng/ml. This corresponds to an

expected specific activity of 1 x 10⁵ units/mg.

Endotoxin Level ≤1.00 EU/µg as measured by kinetic LAL

Formulation Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)

AA Sequence MKEVSEHCSH MIGNGHLKVL QQLIDSQMET SCQIAFEFVD QEQLDDPVCY LKKAFFLVQD

IIDETMRFKD NTPNANATER LQELSNNLNS CFTKDYEEQN KACVRTFHET PLQLLEKIKN

FFNETKNLLE KDWNIFTKNC NNSFAKCSSR DVVTKP

Preparation and Storage

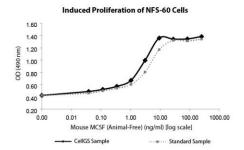
Reconstitution

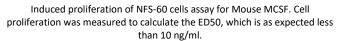
Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at 0.1 mg/ml, which can be further diluted into other aqueous solutions.

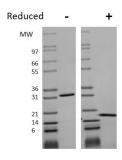
Stability and Storage

- 12 months from date of receipt when stored at -20°C to -80°C as supplied.
- 1 month when stored at 4°C after reconstituting as directed.
- 3 months when stored at -20°C to -80°C after reconstituting as directed.

Data







Non-reducing (-) and reducing (+) conditions in a 4 - 20% Tris-Glycine gel stained with Coomassie Blue. 1 µg of protein was loaded in each lane. Mouse MCSF has a predicted Mw of 36.4 kDa (each monomer is 18.2 kDa).