



Recombinant Human M-CSF

Product Details

Catalogue Number: PEP-300-25

Description:

M-CSF is a potent hematopoietic factor produced by a variety of cells, including lymphocytes, monocytes, fibroblasts, endothelial cells, myoblasts and osteoblasts. It is a key regulator of cellular proliferation, differentiation, and survival for blood monocytes, tissue macrophages, and their respective progenitor cells. M-CSF has been shown to play important roles in modulating dermal thickness and fertility. M-CSF is clinically used in the treatment of infection, malignancies and atherosclerosis. It facilitates hematopoietic recovery after bone marrow transplantation. Human M-CSF is reactive in murine systems, but the murine molecule exhibits no activity on human cells. Recombinant Human M-CSF is a 36.8 kDa homodimeric protein consisting of two 159 amino acid polypeptide subunits.

Source: *E. coli*

Synonyms: Macrophage Colony Stimulating Factor, CSF-1, MGI-IM

AA Sequence (monomer): MEEVSEYCSH MIGSGHLQSL QRLIDSQMET SCQITFEFVD QEQLKDPVCY LKKAFLLVQD IMEDTMRFRD NTPNAIAIVQ LQELSLRLKS CFTKDYEEHD KACVRTFYET PLQLLEKVKN VFNETKNLLD KDWNIFSKNC NNSFAECSSQ GHERQSEGS

Purity: $\geq 98\%$ by SDS-PAGE gel and HPLC analyses.

Biological Activity: The ED_{50} was determined by the dose-dependent stimulation of the proliferation of murine M-NSF-60 cells ≤ 1 ng/ml, corresponding to a specific activity of ≥ 1 x

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10⁶ units/mg.

Calculated Molecular Weight:36.8 kDa

Accession Number:P09603

Gene ID:1435

Crossreactivity:

Human , Human + Hamster, Human + Virus, Monkey, Mouse, N/A, Rat

Country Of Origin: USA

Not for human use.

Li StarFish distribuisce:

