

Overview

Synonyms	CSF1, CSF-1, MCSF
Description	Macrophage-Colony Stimulating Factor (M-CSF) , also known as Colony Stimulating Factor-1 (CSF-1), can stimulate the survival, proliferation and differentiation of mononuclear phagocytes, in addition to the spreading and motility of macrophages. M-CSF is mainly produced by monocytes, macrophages, fibroblasts, and endothelial cells. M-CSF interaction with its receptor, c-fms, has been implicated in the growth, invasion, and metastasis of several diseases, including breast and endometrial cancers.
Species	Mouse
Source	CHO
Biological Activity	ED ₅₀ < 3 ng/ml, measured in a cell proliferation assay using Murine M-NFS-60 cells, corresponding to a specific activity of > 3.3×10 ⁵ units/mg.
Sequence	<p>KEVSEHCSHM IGNGHLKVLQ QLIDSQMETS CQIAFEFVDQ</p> <p>EQLDDPVCYL KKAFFLVQDI IDETMRFKDN TPNANATERL</p> <p>QELSNLNSC FTKDYEEQNK ACVRTFHETP LQLEKIKNF</p> <p>FNETKNLLEK DWNIFTKNCN NSFACSSRD VVTKP</p>

Properties

Measured Molecular Weight	35-44 kDa, observed by non-reducing SDS-PAGE.
Purity	> 95% as analyzed by SDS-PAGE and HPLC.
Formulation	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH ₂ O or PBS at 100 µg/ml.
Endotoxin Level	<0.2 EU/µg, determined by LAL method.
Storage	Lyophilized recombinant murine Macrophage-Colony Stimulating Factor (M-CSF) remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, rmM-CSF should be stable up to 1 week at 4°C or up to 2 months at -20°C.
Note	For research use only

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