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## 32-6491: MCSF Mouse, Sf9

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| **Application :** | Functional Assay |
| **Alternative Name :** | M-Csf, Macrophage colony-stimulating factor 1, CSF-1, MCSF, Csf1, C87615, MCSF, op, Processedmacrophage colony-stimulating factor 1. |

## Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
Macrophage Colony Stimulating Factor (M CSF) or colony stimulating factor 1, is a cytokine, that Â promoted differentiation in hematopoietic stem cells to Â macrophages. Another role of M CSF is to bind to its receptor (colony stimulating factor 1 receptor) and toÂ  take part in placenta growth and development.
MCSF Mouse produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 164 amino acids (33-187 aa) and having a molecular mass of 19.1 kDa.MCSF is fused to a 9 amino acid His tag at C-terminus and purified by proprietary chromatographic techniques.

## Product Info

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| **Amount :** | 2 µg / 10 µg |
| **Purification :** | Greater than 90.0% as determined by SDS-PAGE. |
| **Content :** | The MCSF solution (1mg/ml) contains 10% Glycerol and Phosphate-Buffered Saline (pH 7.4). |
| **Storage condition :** | Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles. |
| **Amino Acid :** | ADPKEVSEHC SHMIGNGHLK VLQQLIDSQM ETSCQIAFEF VDQEQLDDPV CYLKKAFFLVQDIIDETMRF KDNTPNANAT ERLQELSNNL NSCFTKDYEE QNKACVRTFH ETPLQLLEKIKNFFNETKNL LEKDWNIFTK NCNNSFAKCS SRDVVTKPHH HHHH |

## Application Note

Determined by cell proliferation assay using M-NFS-60 mouse myelogenous leukemia lymphoblast cells. ED50 range for this effect is <= 4ng/ml.

***For Research Use Only. Not for use in diagnostic/therapeutics procedures.***