

## 32-6491: MCSF Mouse, Sf9

**Application :** Functional Assay  
**Alternative Name :** M-Csf, Macrophage colony-stimulating factor 1, CSF-1, MCSF, Csf1, C87615, MCSF, op, Processed macrophage 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 promotes differentiation in hematopoietic stem cells to macrophages. Another role of M-CSF is to bind to its receptor (colony stimulating factor 1 receptor) and to 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

**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 SHMIGNHGLK VLQQLIDSQM ETSCQIAFEF VDQEQLDDPV CYLKKAFFLVQDIIDETMRF KDNTPNANAT ERLQELSNNL NSCFKDYEE QNKACVRFTH ETPLQLEKIKNFFNETKNL LEKDWNIPTK 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  $\leq 4$  ng/ml.