

## 32-6490: M CSF Human, Sf9 His

**Application :** Functional Assay

**Alternative Name :** Macrophage colony-stimulating factor 1, CSF-1, M-CSF, MCSF, Lanimostim. Å

### Description

Source: Sf9, Insect cells.

Sterile filtered colorless solution.

Granulocyte/Macrophage Colony-Stimulating Factors are cytokines that act in hematopoiesis by controlling the production, differentiation, and function of 2 related white cell populations of the blood, the granulocytes and the monocytes-macrophages. MCSF induces cells of the monocyte/macrophage lineage. MCSF plays a role in immunological defenses, bone metabolism, lipoproteins clearance, fertility and pregnancy.

MCSF produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 231 amino acids (33-255 a.a.) and having a molecular mass of 26.1kDa (Molecular size on SDS-PAGE will appear at approximately 28-40kDa). MCSF is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 2 µg / 10 µg

**Purification :** Greater than 95.0% as determined by SDS-PAGE.

**Content :** MCSF protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

**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 :** EEVSEYCSHM IGSGHLQSLQ RLIDSQMETS CQITFEFVDQ EQLKDPVCYL KKAFLLVQDI MEDTMRFRDN  
TPNAIAIVQL QELSLRLKSC FTKDYEEHDK ACVRTFYETP LQLEKVKNV FNETKNLLDK DWNIFSKNCN  
NSFAECSSQD VVTKPDCNCL YPKAIPSSDP ASVSPHQPLA PSMAPVAGLT WEDSEGTEGS SLLPGEQPLH  
TVDPGSAKQR PPRLEHHHHH H.

### Application Note

Measured in a cell proliferation assay using M-NFS-60 mouse myelogenous leukemia lymphoblast cell. The ED50 for this effect is less or equal to 3 ng/ml.