

## 32-1591: M CSF Baculovirus Recombinant Protein

**Alternative Name :** CSF-1,Lanimostim,MCSF,MGC31930,M-CSF,Macrophage colony-stimulating factor 1,CSF1.

### Description

Source : Baculovirus infected Silkworm. Macrophage Colony Stimulating Factor Human Recombinant produced in Baculovirus is a disulfide linked homodimer, glycosylated, polypeptide chain containing 2 x 149 amino acids and having a total molecular mass of 42 kDa.MCSF is purified by proprietary chromatographic techniques. 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. CSF-1 induces cells of the monocyte/macrophage lineage. It plays a role in immunological defenses, bone metabolism, lipoproteins clearance, fertility and pregnancy.

### Product Info

<b>Amount :</b>	10 µg
<b>Purification :</b>	Greater than 95.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
<b>Content :</b>	The lyophilized protein (1mg/ml) was lyophilized with 20mM phosphate buffer, 1% HSA and 3% mannitol.
<b>Storage condition :</b>	Lyophilized Macrophage Colony Stimulating Factor although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution MCSF should be stored at 4°C between 2-7 days and for future use below -18°C.Please prevent freeze-thaw cycles.
<b>Amino Acid :</b>	EEVSEYCSHM IGSGHLQSLQ RLIDSQMETS CQITFEFVDQ EQLKDPVCYL KKAFLLVQDI MEDTMRFRDN TPNAIAIVQL QELSLRLKSC FTKDYEEHDK ACVRTFYETP LQLEKVKNV FNETKNLLDK DWNIFSKNCN NSFAECSSQ.

### Application Note

It is recommended to reconstitute the lyophilized M-CSF in sterile 18M $\Omega$ ©-cm H<sub>2</sub>O not less than 100 $\Omega$ µg/ml, which can then be further diluted to other aqueous solutions. The ED<sub>50</sub>, calculated by the dose-dependant stimulation of the proliferation of murine M-NFS-60 indicator cells was found < 3ng/ml, corresponding to a specific activity of less than 333,333.33units/mg.

