

## 32-12242: Rat Macrophage-Colony Stimulating Factor (AF)

**Gene :** Csf1  
**Uniprot ID :** Q8JZQ0  
**Alternative Name :** Macrophage colony-stimulating factor 1, CSF-1, MCSF

### Description

**Source:** Genetically modified E.coli.

**Predicted MW:** Dimer, 18.1/36.2 kDa (155/210 aa)

Macrophage colony stimulating factor (M-CSF) is a hematopoietic growth factor that is widely produced by a variety of cells. M-CSF stimulates the proliferation and differentiation of hematopoietic stem cells into monocyte and macrophage cell types. M-CSF also acts through the colony stimulating factor 1 receptor (CSF1R) to modulate processes involved in immunology, bone metabolism, fertility, and pregnancy.

### Product Info

**Amount :** 10 µg / 100 µg  
**Purification :** Reducing and Non-Reducing SDS PAGE at  $\geq 95\%$   
Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, pH 7.5  
**Content :** Sterile water at 0.1 mg/mL  
**Storage condition :** Store at  $-20^{\circ}\text{C}$   
**Amino Acid :** MEVSEHCSTM IGNGHLQILQ QLIDSQMETA CLIEYKFVDQ EQLDDPVCYL KKAFLVLQVI IEETMRFKDN TPNANATERL QELSMKLNCS FIKDYKEQNE ACVQTYKESP LRLLEKIKNF FNETKNFLEK DWNIFSKNCN DSLAKCSSRD VVTKP

### Application Note

**Endotoxin:** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at  $-80^{\circ}\text{C}$  and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vial to compensate for this loss.



