

32-12241: Rat Macrophage-Colony Stimulating Factor

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°C
Amino Acid : MEVSEHCSHM IGNGHLQILQ QLIDSQMETA CLIEYKFVDQ EQLDDPVCYL KKAFLVLVQVI IEETMRFKDN TPNANATERL QELSMKLNCS FIKDYKEQNE ACVQTYKESP LRLLEKIKNF FNETKNFLEK DWNIFSKNCN DSLAKCSSRD VVTKP

Application Note

Endotoxin: Less than $0.1 \text{ ng}/\mu\text{g}$ (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°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.



