

## 32-7611: Recombinant Mouse M-CSF/CSF1 (C-6His)

**Gene :** Csf1  
**Gene ID :** 12977  
**Uniprot ID :** P07141

### Description

Source: Human Cells.  
MW :27kD.

Recombinant Mouse Macrophage colony-stimulating factor 1 is produced by our Mammalian expression system and the target gene encoding Lys33-Glu262 is expressed with a 6His tag at the C-terminus. Macrophage colony-stimulating factor 1(M-csf) is a single-pass type I membrane protein. It is a hematopoietic growth factor that is involved in the proliferation, differentiation, and survival of monocytes, macrophages, and bone marrow progenitor cells. M-CSF affects macrophages and monocytes in several ways, including stimulating increased phagocytic and chemotactic activity, and increased tumour cell cytotoxicity. The role of M-CSF is not only restricted to the monocyte/macrophage cell lineage. By interacting with its membrane receptor, M-CSF also modulates the proliferation of earlier hematopoietic progenitors and influence numerous physiological processes involved in immunology, metabolism, fertility and pregnancy.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of PBS,pH7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** KEVSEHC SHMIGNH LKVLQQLID SQMETSCQIAFEFVDQEQLDDPV CYLKKAFFLVQDIIDETMRFKDNT PNA  
NATERLQELSNLNSCFTKDYEEQNKACVRTFHETPLQLLEKIKNFFNETKNLLEKDOWNIFTKNCNNSFAKCSSR  
DVVTKPDCNCLYPKATPSSDPASASPHQPPAPSMAPLAGLAWDDSQRT EGSSLLPSELPLRIEDPGSAKQRPPR  
STCQTLEVDHHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

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