

## Recombinant Mouse M-CSF

Catalog No : PMK2103

Known As: Macrophage colony-stimulating factor 1; CSF-1; MCSF; Csf1; Csfm

### PROPERTIES

Description	Recombinant Mouse Macrophage Colony-Stimulating Factor 1 is produced by our Mammalian expression system and the target gene encoding Lys33-Glu262 is expressed.
Accession	P07141
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Size	10µg/50µg/500µg/1mg
Purity	> 95%
Endotoxin	< 0.01 EU/µg as determined by LAL test.
Predicted Mol Mass	26kDa
Apparent Mol Mass	37-80 kDa, reducing conditions.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
Background	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, MCSF also modulates the proliferation of earlier hematopoietic progenitors and influence numerous physiological processes involved in immunology,metabolism, fertility and pregnancy.

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