

RP00572

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## Recombinant Mouse M-CSF/CSF1 Protein

Catalog No.: RP00572

Recombinant

### Sequence Information

Species	Gene ID	Swiss Prot
Mouse	12977	P07141

#### Tags

C-6×His

#### Synonyms

MCSF;M-CSF;CSF-1;Lanimostim;CSF1

### 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, M-CSF also modulates the proliferation of earlier hematopoietic progenitors and influences numerous physiological processes involved in immunology, metabolism, fertility and pregnancy.

### Basic Information

#### Description

Recombinant Mouse M-CSF/CSF1 Protein is produced by Human Cells expression system. The target protein is expressed with sequence (Lys33-Glu262) of mouse M-CSF/CSF1 (Accession #P07141) fused with a 6×His tag at the C-terminus.

#### Bio-Activity

Measured in a cell proliferation assay using M-NFS-60 mouse myelogenous leukemia lymphoblast cells. The ED<sub>50</sub> for this effect is 4-20 ng/mL.

#### Storage

Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

### Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

#### Endotoxin

< 1 EU/μg of the protein by LAL method.

#### Formulation

Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

#### Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

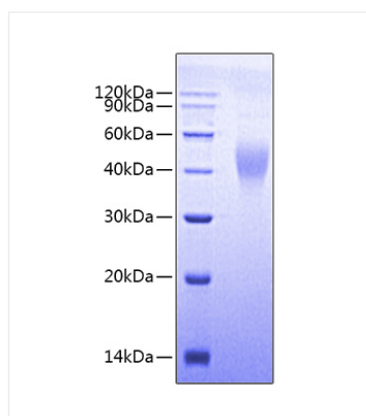
### Contact



[www.abclonal.com](http://www.abclonal.com)

## Validation Data

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Recombinant Mouse M-CSF/CSF1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.