

Active Recombinant Mouse CSF-1/M-CSF Protein

Catalog No.: RP01216 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	12977	P07141-1

Tags

C-His

Synonyms

MCSF;M-CSF;CSF-1;Lanimostim

Product Information

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

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 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.

Background

Basic Information

Description

Active Recombinant Mouse CSF-1/M-CSF Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-Glu262) of mouse M-CSF/CSF-1 (Accession #NP_031804.3.) fused with a 6×His tag at the C-terminus.

Bio-Activity

1. Measured in a cell proliferation assay using M-NFS-60 mouse myelogenous leukemia lymphoblast cells. The ED50 for this effect is typically 0.1-0.4 ng/mL.
2. 20 ng/mL of recombinant mouse M-CSF was added during Mouse primary Bone Marrow Derived Macrophages (BMDM) culture. After 7 days of induction, the cells are in good condition, indicating that M-CSF can effectively induce and maintain BMDM cell morphology.

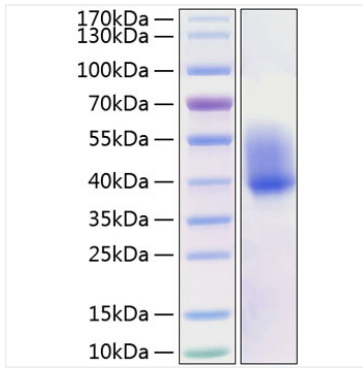
Storage

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.

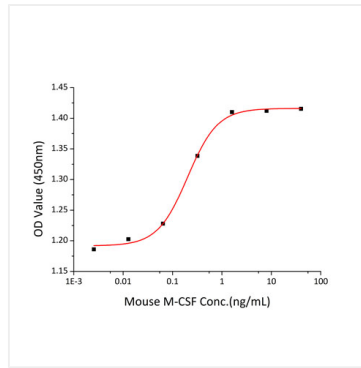
Contact

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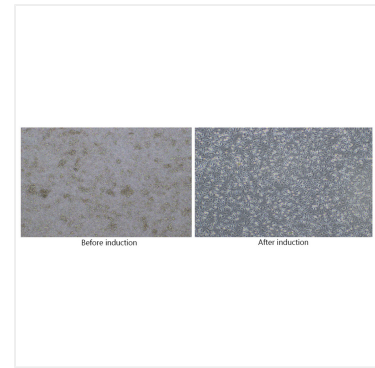
Validation Data



Active Recombinant Mouse CSF-1/M-CSF Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 40-55 kDa.



Recombinant Mouse M-CSF promotes the proliferation of M-NFS-60 mouse myelogenous leukemia lymphoblast cells. The ED50 for this effect is typically 0.1-0.4 ng/mL.



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