

Recombinant Human CSF-1/M-CSF Protein

Catalog No.: RP01221 **Recombinant** **2 Publications**

Sequence Information

Species **Gene ID** **Swiss Prot**
 Human 1435 P09603-1

Tags

C-His

Synonyms

CSF1;CSF-1;MCSF

Background

Basic Information

Description

Recombinant Human CSF-1/M-CSF Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Glu33-Arg255) of human M-CSF/CSF-1 (Accession #NP_000748.3) fused with a 6×His tag at the C-terminus.

Bio-Activity

1. Measured by its binding ability in a functional ELISA. Immobilized Human CSF1 at 1 μ g/mL (100 μ L/well) can bind Human CSF1R with a linear range of 0.01-7.8 ng/mL. 2. Measured in a cell proliferation assay using M-NFS-60 mouse myelogenous leukemia lymphoblast cells. The ED₅₀ for this effect is typically 1.53-6.14 ng/mL, corresponding to a specific activity of 1.63 \times 10⁵-6.53 \times 10⁵ units/mg.

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

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.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Product Information

Source

HEK293 cells

Purification

\geq 95 % as determined by SDS-PAGE.

Calculated MW

25.97 kDa

Observed MW

36-45 kDa

Endotoxin

< 0.1 EU/ μ g of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μ m filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

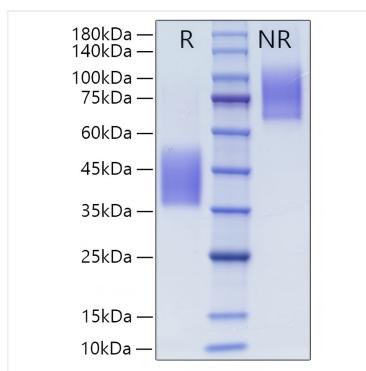
Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

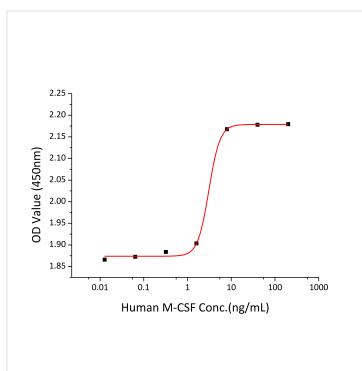
Contact

	400-999-6126
	cn.market@abclonal.com.cn
	www.abclonal.com.cn

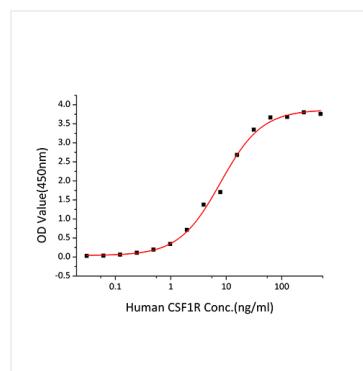
Validation Data



Recombinant Human CSF-1/M-CSF Protein was determined by SDS-PAGE under reducing (R) and non-reducing (NR) conditions.



Recombinant Human M-CSF promotes the proliferation of M-NFS-60 mouse myelogenous leukemia lymphoblast cells. The ED₅₀ for this effect is typically 1.53-6.14 ng/mL, corresponding to a specific activity of 1.63×10^5 - 6.53×10^5 units/mg.



Immobilized Human CSF1 at 1 μ g/mL (100 μ L/well) can bind Human CSF1R with a linear range of 0.01-7.8 ng/mL.