

Recombinant Human CSF-1/M-CSF Protein

Catalog No.: RP01221

Sequence Information

Species **Gene ID**
Human 1435

Swiss Prot **Tags**
P09603-1 C-His

Synonyms
CSF1,CSF-1,MCSF

Product Information

Source **Purification**
HEK293 cells ≥ 95 % as
determined by
SDS-PAGE.

Calculated MW **Observed MW**
25.97 kDa 36-45 kDa

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

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.

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.

Activity

1. Measured by its binding ability in a functional ELISA. Immobilized Human
CSF1 at 1 μg/mL (100 μL/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 1.63×10⁵-6.53×10⁵ units/mg.

Shipping

Lyophilized proteins are shipped at ambient temperature.

Liquid proteins are shipped at frozen temperature with dry ice.

Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

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

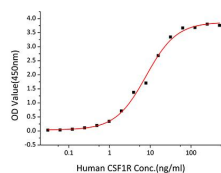
Contact

☎ | 400-999-6126

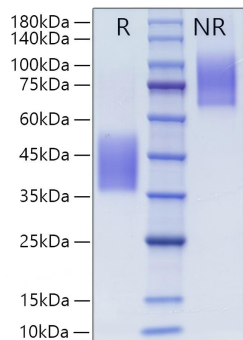
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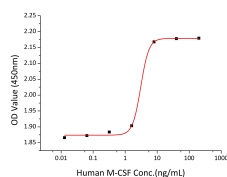
Validation Data



Immobilized Human CSF1 at 1μg/mL (100 μL/well) can bind Human CSF1R with a linear range of 0.01–7.8 ng/mL.



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 1.63×10⁵–6.53×10⁵units/mg.