

General Information

Gene Name Synonym

Processed macrophage colony-stimulating factor 1

Protein Construction

A DNA sequence encoding the mouse CSF1 (P07141-1) (Met1-Glu262) was expressed.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

1. Immobilized mouse CSF1 at 10 µg/ml (100 µl/well) can bind mouse CSF1R-Fch (Cat:504717). The EC₅₀ of mouse CSF1R-Fch (Cat:504717) is 0.04-0.1 µg/ml.

2. Measured in a cell proliferation assay using M-NFS-60 mouse myelogenous leukemia lymphoblast cells. The ED₅₀ for this effect is typically 1.5-7.5 ng/ml.

Purity

> 95 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Lys 33

Molecular Mass

The recombinant mouse CSF1 comprises 230 amino acids and has a predicted molecular mass of 26 kDa. The apparent molecular mass of the protein is approximately 45 kDa in SDS-PAGE under reducing conditions due to glycosylation.

Formulation

Lyophilized from sterile PBS, pH 7.4.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

Usage Guide

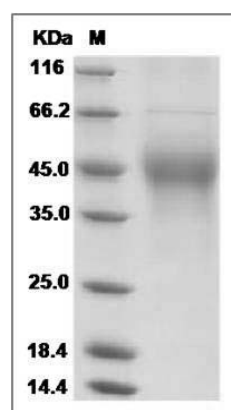
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Mouse M-CSF / CSF-1 Protein SDS-PAGE