

## General Information

### Gene Name Synonym

CSF-1 receptor; CSF-1-R; CSF-1R; M-CSF-R;  
Proto-oncogene c-Fms; CD antigen CD115

### Protein Construction

A DNA sequence encoding the mouse CSF1R (NP\_001032948.2) extracellular domain (Met1-Ser511) was fused with a polyhistidine tag at the C-terminus. The expressed protein was biotinylated in vitro.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

1. Measured by its binding ability in a functional ELISA.
2. Immobilized mouse IL34-His (Cat:50055-M08H) at 10µg/mL (100µL/well) can bind biotinylated mouse CSF1R (Cat:50059-M08H-B), The EC<sub>50</sub> of biotinylated mouse CSF1R is 0.1-0.4µg/mL.

### Purity

> 97% as determined by SDS-PAGE.

### Endotoxin

< 1.0 EU per µg 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

Ala 20

### Molecular Mass

The recombinant mouse CSF1R consists of 503 amino acids and has a predicted molecular mass of 56.8 kDa.

### Formulation

- Lyophilized from sterile Sterile PBS
1. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA.
  2. Please contact us for any concerns or special requirements.

## Usage Guide

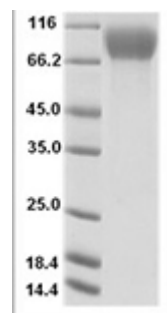
### Storage

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

A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.

### SDS-PAGE



Mouse MCSF Receptor/CSF1R/CD115 Protein  
15502