

# Rat CSF1R/MCSF Receptor/CD115 (Fc Tag) recombinant protein



Catalog Number: 503414

## General Information

### Protein Construction

A DNA sequence encoding the rat CSF1R (D4ACA7) (Met1-Glu510) was expressed with the Fc region of human IgG1 at the C-terminus.

### Organism

Rat

### Expression Host

Human Cells

## QC Testing

### Activity

1. Immobilized rat CSF1R-Fc at 10 µg/ml (100 µl/well) can bind biotinylated human CSF1-His (Cat:501502), The EC<sub>50</sub> of biotinylated human CSF1-His (Cat:501502) is 1.7-3.9 ng/ml.
2. Measured by its ability to inhibit the mouse CSF-induced proliferation of M-NFS-60 mouse myelogenous leukemia lymphoblast cells. The ED<sub>50</sub> for this effect is typically 0.015-0.06 µg/mL in the presence of 2.5 ng/ml Recombinant Mouse M-CSF.

### 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

Ala 20

### Molecular Mass

The recombinant rat CSF1R/Fc is a disulfide-linked homodimer. The reduced monomer comprises 732 amino acids and has a predicted molecular mass of 82 kDa. The apparent molecular mass of the protein is approximately 106-116 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

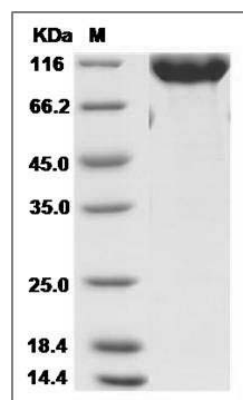
### Storage

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



Rat CSF1R / MCSF Receptor / CD115 Protein (Fc Tag) SDS-PAGE