

Mouse CSF1R/MCSF Receptor/CD115 (His & Fc Tag) recombinant protein



Catalog Number: 504717

General Information

Protein Construction

A DNA sequence encoding the mouse CSF1R (Met1-Ser511) was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

1. Immobilized mouse CSF1-His (Cat:504295) at 10 µg/ml (100 µl/well) can bind mouse CSF1R-Fch. The EC₅₀ of mouse CSF1R-Fch is 0.04-0.1 µg/ml.
2. Measured by its ability to inhibit the mouse CSF-induced proliferation of M-NFS-60 mouse myelogenous leukemia lymphoblast cells. The ED₅₀ for this effect is typically 0.01-0.04 µg/mL in the presence of 3 ng/ml Recombinant Human 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 mouse CSF1R/Fc is a disulfide-linked homodimer. The reduced monomer comprises 740 amino acids and has a predicted molecular mass of 83.3 kDa. The apparent molecular mass of the protein is approximately 110 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

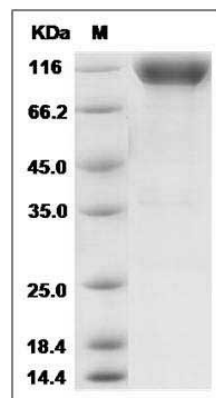
Storage

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