

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



Catalog Number: 502245

General Information

Gene Name Synonym

CSF-1 receptor; Proto-oncogene c-Fms

Protein Construction

A DNA sequence encoding the mouse CSF1R (NP_001032948.2) extracellular domain (Met 1-Ser 511) was fused with a polyhistidine tag at the C-terminus.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its ability to bind recombinant mouse IL34 in a functional ELISA.
2. Measured by its binding ability in a functional ELISA.
3. Immobilized mouse CSF1R-His (Cat:502245) at 10 µg/mL (100 µl/well) can bind biotinylated human CSF1-his, The EC₅₀ of biotinylated human CSF1-his is 0.50 µg/mL.

Purity

> 97 % 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 secreted recombinant mouse CSF1R consists of 503 amino acids and has a predicted molecular mass of 56.8 kDa. As a result of glycosylation, the apparent molecular mass of rm CSF1R is approximately 80-90 kDa in SDS-PAGE under reducing conditions.

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

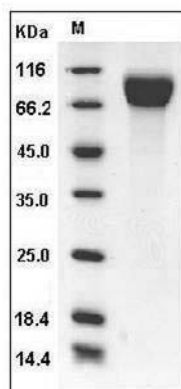
Storage

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



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(His Tag) SDS-PAGE