

# Human CSF1R/MCSF Receptor/CD115 recombinant protein



Catalog Number: 503172

## General Information

### Gene Name Synonym

CSF-1 receptor; Proto-oncogene c-Fms

### Protein Construction

The mature form of human M-CSFR (NP\_005202.2) extracellular domain (Met 1-Glu 512) with quinary-aa peptide (DDDDK) at the C-terminus was expressed and purified.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Immobilized sMCSFR 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 32-74.8 ng/ml.

### Purity

> 90 % 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

Ile 20

## Molecular Mass

The recombinant mature human M-CSF R comprises 499 amino acids with a calculated molecular mass of 55.1 kDa. Due to glycosylation, the apparent molecular mass of rhM-CSFR is approximately 80-90 kDa in SDS-PAGE under reducing conditions.

## Formulation

Lyophilized from sterile 100mM Glycine, 10mM NaCl, 50mM Tris, pH 7.5

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

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

## Usage Guide

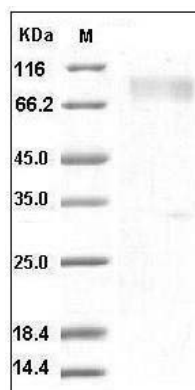
### Storage

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



Human CSF1R / MCSF Receptor / CD115 Protein  
SDS-PAGE