

# Mouse EGFR/HER1/ErbB1 (His Tag) recombinant protein



Catalog Number: 501704

## General Information

### Protein Construction

A DNA sequence encoding the extracellular domain of mouse EGFR (Q01279) (Met 1-Ser 647) was fused with a polyhistidine tag at the C-terminus.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

1. Measured by its binding ability in a functional ELISA.
2. Immobilized mouse EGFR-his at 10 µg/mL (100 µl/well) can bind human EGF-Fc (Cat:503608), The EC<sub>50</sub> of human EGF-Fc (Cat:503608) is 60-90 ng/mL.
3. Immobilized mouse EGFR-his at 10 µg/mL (100 µl/well) can bind mouse EGF-Fc (Cat:503939), The EC<sub>50</sub> of mouse EGF-Fc (Cat:503939) is 70-100 ng/mL.

### 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

Leu 25

### Molecular Mass

The secreted recombinant mouse EGFR comprises 634 amino acids and has a calculated molecular mass of 71 kDa. As a result of glycosylation, the apparent molecular mass of rmEGFR is approximately 100 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

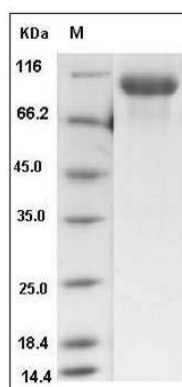
### Storage

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



Mouse EGFR / HER1 / ErbB1 Protein (His Tag)  
SDS-PAGE