

Rat EGFR/HER1/ErbB1 (His Tag) recombinant protein



Catalog Number: 500698

General Information

Protein Construction

A DNA sequence encoding the rat EGFR (E7CXR8) (Met1-Ser646) was expressed, fused with a polyhistidine tag at the C-terminus.

Organism

Rat

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its ability to bind recombinant human EGF-Fc (Cat:503608) in a functional ELISA.
2. Measured by its ability to bind recombinant mouse EGF-Fc (Cat:503939) in a functional ELISA.

Purity

> 98 % as determined by SDS-PAGE

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Leu 25

Molecular Mass

The recombinant rat EGFR comprises 633 amino

acids and predicts a molecular mass of 70.7 kDa. The apparent molecular mass of the recombinant protein is approximately 93-110 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

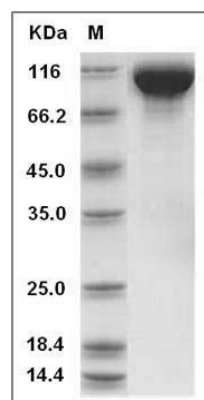
Storage

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



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