

# Rat EGF/Epidermal Growth Factor recombinant protein



Catalog Number: 501069

## General Information

### Gene Name Synonym

Epidermal growth factor

### Protein Construction

A DNA sequence encoding the rat EGF (NP\_036974.1) (Asn974-Arg1026) was expressed and purified with an initial Met.

### Organism

Rat

### Expression Host

E. coli

## QC Testing

### Activity

Measured in a cell proliferation assay using BALB/c 3T3 mouse fibroblasts. The ED<sub>50</sub> for this effect is typically 0.01-0.05 ng/ml.

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

Please contact us for more information.

### Stability

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

### Predicted N terminal

Met

## Molecular Mass

The recombinant rat EGF consists of 54 amino acids and has a predicted molecular mass of 6.3 kDa. The apparent molecular mass of the recombinant protein is approximately 6-9 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

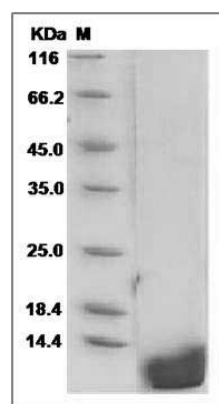
### Storage

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



Rat EGF / Epidermal Growth Factor Protein SDS-PAGE