

# Mouse EGF/Epidermal Growth Factor recombinant protein



Catalog Number: 503403

## General Information

### Gene Name Synonym

Epidermal growth factor

### Protein Construction

A DNA sequence encoding the mouse EGF (P01132) (Asn977-Arg1029) was expressed and purified.

### Organism

Mouse

### Expression Host

Yeast

## QC Testing

### Activity

Measured in a cell proliferation assay using Balb/3T3 mouse embryonic fibroblast cells. The ED<sub>50</sub> for this effect is typically 20-100 pg/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

Asn 977

## Molecular Mass

The recombinant mouse EGF consists of 53 amino acids and predicts a molecular mass of 6 KDa. It migrates as an approximately 6 KDa band 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

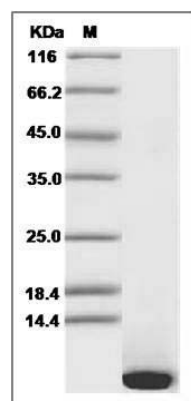
### Storage

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 EGF / Epidermal Growth Factor Protein  
SDS-PAGE