

# Mouse EGF/Epidermal Growth Factor recombinant protein



Catalog Number: 502106

## General Information

### Gene Name Synonym

Epidermal growth factor

### Protein Construction

A DNA sequence encoding the mouse EGF (P01132) (Asn977-Arg1029) was expressed and purified with two additional amino acids (Gly & Pro) at the N-terminus.

### Organism

Mouse

### Expression Host

Human Cells

## 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 0.1-0.6 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

Gly

### Molecular Mass

The recombinant mouse EGF consists of 55 amino acids and predicts a molecular mass of 6.2 KDa. It migrates as an approximately 14 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

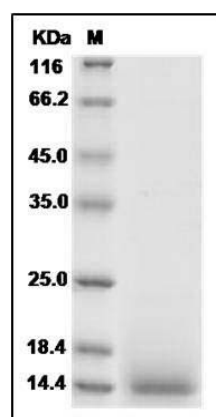
### Storage

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



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SDS-PAGE