

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 ED₅₀ 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

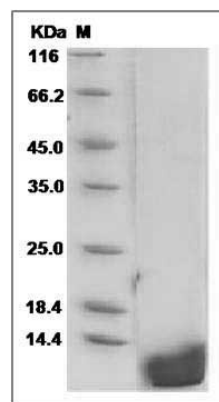
Storage

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