

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 ED₅₀ 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

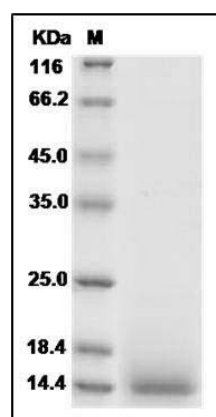
Storage

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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