Human EGF/Epidermal Growth Factor recombinant protein

Catalog Number: 501239

General Information

Gene Name Synonym

Epidermal growth factor; Urogastrone

Protein Construction

A DNA sequence encoding the mature form of human EGF (NP_001954.2) (Asn 971-Arg 1023) was expressed and purified, with an initial Met at the N-terminus.

Organism

Human

Expression Host

E. coli

QC Testing

Activity

Measured in a cell proliferation assay using Balb/C 3T3 mouse embryonic fibroblasts. (Rubin, J.S. et al. 1991, Proc. Natl. Acad. Sci. USA 88:415.)
The ED_{50} for this effect is typically 20-100 pg/mL.

Purity

> 92 % 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℃

Predicted N terminal

Met 1

Molecular Mass

The recombinant human EGF consisting of 54 amino acids and has a calculated molecular mass of 6.3 kDa as estimated 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

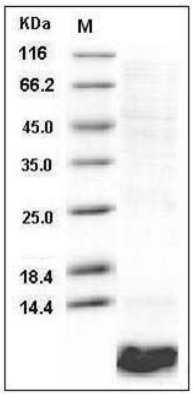
Storage

Store it under sterile conditions at -20℃ to -80℃. 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



Human EGF / Epidermal Growth Factor Protein SDS-PAGE