

General Information

Gene Name Synonym

Heparin-binding EGF-like growth factor;
Diphtheria toxin receptor

Protein Construction

A DNA sequence encoding the human HBEGF (Q99075) (Met 1-Leu 148) without the C-terminal propeptide (aa 149-208), was expressed and purified.

Organism

Human

Expression Host

Baculovirus-Insect Cells

QC Testing

Activity

Measured by its ability to stimulate proliferation in an EGF-responsive mouse fibroblast cell line, Balb/3T3. The ED₅₀ for this effect is typically 0.15-0.75 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

Asp 63

Molecular Mass

The expressed pro form of human HBEGF consists of 148 amino acids and predicts a molecular mass of 16.4 kDa. The processed soluble HBEGF is a 9.7 kDa protein comprising 86 amino acids generated by proteolytic processing.

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

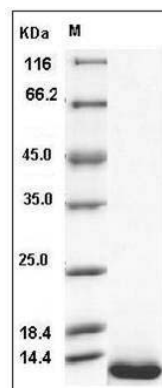
Storage

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



Human HBEGF / DTR Protein SDS-PAGE