

PRODUCT INFORMATION

HBEGF Target

Synonyms AW047313; Dtr; Dts; Hegfl

Recombinant mouse HBEGF(24-160) protein with **Description**

C-terminal human Fc tag

Delivery In Stock **Uniprot ID** Q06186 **Expression Host HEK293**

Tag C-Human Fc Tag

Molecular

Background

Mouse HBEGF(Glu24-Thr160) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of 41.3 kDa after removal of the signal peptide. The apparent molecular mass of mHBEGF (24-160)-hFc **Molecular Weight**

is approximately 40-55 kDa due to glycosylation. The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue

Purity staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % Formulation & Reconstitution

- 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store Storage & Shipping at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

Growth factor that mediates its effects via EGFR, ERBB2 and ERBB4. Required for normal cardiac valve formation and normal heart function. Promotes smooth muscle cell proliferation. May be involved in macrophage-mediated cellular proliferation. It is mitogenic for fibroblasts, but not endothelial cells. It is able to bind EGF

receptor/EGFR with higher affinity than EGF itself and is a far more potent mitogen for smooth muscle cells than EGF. Also acts as a diphtheria toxin receptor.[UniProtKB/Swiss-Prot Function]

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Usage Research use only

Unconjugated Conjugate



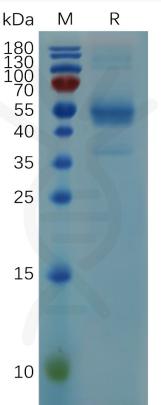


Figure 1.Mouse HBEGF (24-160) Protein, hFc Tag on SDS-PAGE under reducing condition.

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