Synonyms



PRODUCT INFORMATION

Target proHB-EGF

Diphtheria toxin receptor; DTR; EGFL; heparin-

binding EGF-like growth factor; DTS; DTSF; heparin-

binding epidermal growth factor;proheparin-binding EGF-like growth factor;HB-EGF;pro HB-

EGF

Recombinant Human Heparin Binding EGF like Growth Factor is produced by our Mammalian

Description expression system and the target gene encoding Leu20-Leu148 is expressed with a 6His tag at the

C-terminus.

Delivery In Stock **Uniprot ID** Q99075 **Expression Host HEK293**

Tag C-6×His Tag

Molecular Characterization

Not available

Molecular Weight 15.1 KDa

Greater than 95% as determined by reducing **Purity**

SDS-PAGE.

Formulation &

Background

Lyophilized from a 0.2 µm filtered solution of PBS, Reconstitution

Storage & Shipping

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 at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

Heparin-binding EGF-like growth factor (HB-EGF) is a 12-16 kDa member of the epidermal growth factor (EGF) family. It possesses an EGF-like domain, and a heparin-binding motif. Mature HB-

EGF is a soluble peptide that arises from proteolytic processing of the transmembrane form. Human HB-EGF shows 76% and 73% aa sequence identity with rat and mouse HB-EGF, respectively. It is required for normal cardiac valve formation and normal heart function,

promotes smooth muscle cell proliferation. It may be involved in macrophage-mediated cellular proliferation; it is mitogenic for fibroblasts, but not endothelial cells. HB-EGF classified as a group 2 ErbB ligand based on its ability to activate both the EGF/ErbB1 and ErbB4 receptions are to be considered with ErbB4 binding approach to be associated with ErbB4 binding appears to be limited to non-mitogenic actions, while EGFR binding induces both mitogenic and non-

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mitogenic activity.

Usage Research use only Conjugate Unconjugated



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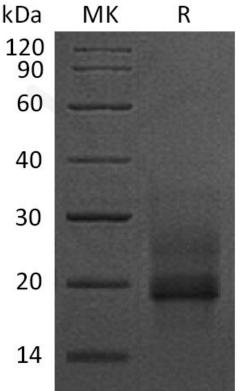


Figure 1. Greater than 95% as determined by reducing SDS-PAGE.

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