

**HB-EGF, mouse recombinant protein**  
Heparin-binding EGF-like growth factor, DTR, HEGFL, diphtheria toxin receptor  
(heparin-binding epide  
Catalog # PBV10201r

## Specification

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### HB-EGF, mouse recombinant protein - Product info

Primary Accession [Q06186](#)  
Calculated MW **9.8 kDa** KDa

### HB-EGF, mouse recombinant protein - Additional Info

Gene ID	<b>15200</b>
Gene Symbol	<b>HBEGF</b>
<b>Other Names</b>	
Proheparin-binding EGF-like growth factor, HBEGF, DTR, DTS, HEGFL, HB-EGF, Heparin-binding EGF-like growth factor, Diphtheria toxin receptor, DT-R, DTSF.	
Gene Source	<b>Mouse</b>
Source	<b>E. coli</b>
Assay&Purity	<b>SDS-PAGE; ≥95%</b>
Assay2&Purity2	<b>HPLC; ≥95%</b>
Recombinant	<b>Yes</b>
Results	<b>&gt; 1.0×10<sup>6</sup> units/mg.</b>
Sequence	<b>DLEGTDLNLF KVAFSSKPQG LATPSKERNG KKKKKGKGLG KKRDPCLRKY KDYCIHGECR YLQEFRTSPSC KCLPGYHGHR CHGLTL.</b>

### Target/Specificity

HB-EGF

### Application Notes

It is recommended to reconstitute the lyophilized Mouse HB-EGF in sterile 18M-cm H<sub>2</sub>O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

### Format

Lyophilized protein

### Storage

-20°C; Lyophilized with no additives

### HB-EGF, mouse recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **HB-EGF, mouse recombinant protein - Images**

#### **HB-EGF, mouse recombinant protein - Background**

HB-EGF is an EGF related growth factor which signals via the EGF receptor, and stimulates the proliferation of SMC (smooth muscle cells), fibroblasts, epithelial cells and keratinocytes. HB-EGF is expressed in various cell types and tissues, including vascular endothelial cells and SMC, macrophages, skeletal muscle, keratinocytes and particular tumor cells. HB-EGF's ability to explicitly bind heparin and heparin sulfate proteoglycans is dissimilar from other EGF-like molecules, and might be related to the enhanced mitogenic activity, relative to EGF, that HB-EGF exerts on smooth muscle cells.

#### **HB-EGF, mouse recombinant protein - References**

Abraham J.A., et al. Biochem. Biophys. Res. Commun. 190:125-133(1993).  
Harding P.A., et al. Gene 169:291-292(1996).