

## Product datasheet for **TP762440**

### HB EGF (HBEGF) (NM\_001945) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human heparin-binding EGF-like growth factor (HBEGF), Leu20-End, with N-terminal His tag, expressed in E.coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the region(Leu20-End) of HBEGF
Tag:	N-His
Predicted MW:	21.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, pH 8.0, 8 M urea
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_001936</a>
Locus ID:	1839
UniProt ID:	<a href="#">Q99075</a>
RefSeq Size:	2381
Cytogenetics:	5q31.3
RefSeq ORF:	624
Synonyms:	DTR; DTS; DTSF; HEGFL



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**Summary:**

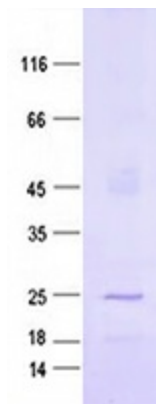
Growth factor that mediates its effects via EGFR, ERBB2 and ERBB4. Required for normal cardiac valve formation and normal heart function. Promotes smooth muscle cell proliferation. May be involved in macrophage-mediated cellular proliferation. It is mitogenic for fibroblasts, but not endothelial cells.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

**Protein Families:**

Druggable Genome, Secreted Protein, Transmembrane

**Protein Pathways:**

Epithelial cell signaling in Helicobacter pylori infection, ErbB signaling pathway, GnRH signaling pathway

**Product images:**

Purified recombinant protein HBEGF was analyzed by SDS-PAGE gel and Coomassie Blue Staining.