

Heparin Binding EGF like Growth Factor/proHB-EGF Recombinant Protein | proHB-EGF recombinant protein

Recombinant Human Heparin Binding EGF like Growth Factor/proHB-EGF Protein (C-6His)

CATALOG #
AAA174018

HOST
HEK293 Cells

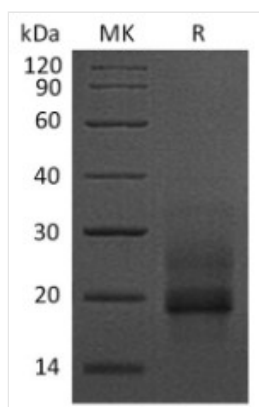
PRODUCT SYNONYMS

Heparin Binding EGF like Growth Factor/proHB-EGF; Recombinant Human Heparin Binding EGF like Growth Factor/proHB-EGF Protein (C-6His); Diphtheria toxin receptor; DTR; HEGFL; heparin-binding EGF-like growth factor; DTS; DTSF; heparin-binding epidermal growth factor; proheparin-binding EGF-like growth factor; HB-EGF; pro HB-EGF; proHB-EGF recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	>95% as determined by reducing SDS-PAGE.
Form/Format	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Sequence Positions	Leu20-Leu148
Sequence Length	208
Species	Human
Endotoxin	<1.0 EU per µg as determined by LAL test.
Tag	C-His
Reconstitution	We recommend centrifuging the vial before opening to bring the contents to the bottom. Do not mix by vortex. Is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 mg/mL. Concentration is measured by UV-Vis.
Preparation and Storage	Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at <-20°C for 3 months.

IMAGES



Application Data

> 95 % as determined by reducing SDS-PAGE.

ADDITIONAL INFORMATION

Related Product Information for proHB-EGF recombinant protein	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 receptors. Activity associated with ErbB4 binding appears to be limited to non-mitogenic actions, while EGFR binding induces both mitogenic and non-mitogenic activity.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503413
NCBI GeneID	1839
NCBI Accession #	NP_001936.1
NCBI GenBank Nucleotide #	NM_001945.2
UniProt Accession #	Q99075; B2R821
Molecular Weight	Calculated molecular weight: 15.1 kDa Observed molecular weight: 16-27 kDa
NCBI Official Full Name	proheparin-binding EGF-like growth factor
NCBI Official Synonym Full Names	heparin binding EGF like growth factor
NCBI Official Symbol	HBEGF
NCBI Official Synonym Symbols	DTR; DTS; DTSF; HEGFL
NCBI Protein Information	proheparin-binding EGF-like growth factor
UniProt Protein Name	Proheparin-binding EGF-like growth factor
UniProt Gene Name	HBEGF
UniProt Synonym Gene Names	DTR; DTS; HEGFL; HB-EGF; HBEGF; DT-R

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.