

HB-EGF (Heparin Binding EGF) Active Protein | HB-EGF active protein

Recombinant Human HB-EGF (Heparin Binding EGF)

CATALOG #
AAA214291

HOST
E Coli

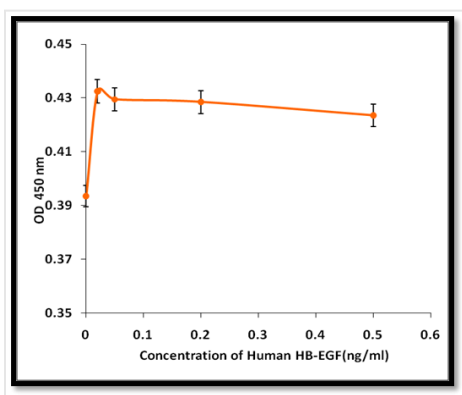
PRODUCT SYNONYMS

HB-EGF (Heparin Binding EGF); Recombinant Human HB-EGF (Heparin Binding EGF); Heparin Binding EGF-like growth factor; HBEGF; Diphtheria toxin receptor; DTR; HB-EGF active protein

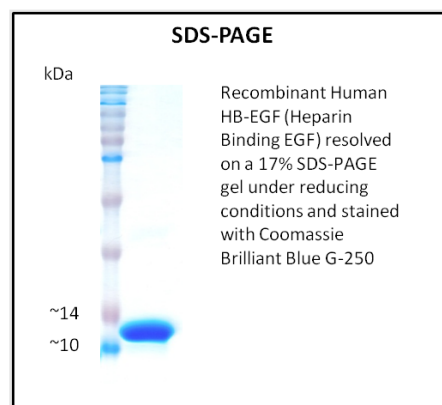
PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from a 0.2 um filtered solution in PBS.
Sequence Length	208
Bioactivity	The ED50, as determined by a cell proliferation assay (using balb/c 3T3 cells) is ≤ 1.0 ng/ml, corresponding to a specific activity of $\geq 1 \times 10^6$ units/mg.
Endotoxin Level	<1.0 EU/ug of recombinant protein as determined by the LAL method.
Reconstitution	It is recommended to reconstitute HBEGF in sterile PBS at 250 ug/mL.
Preparation and Storage	The lyophilized protein is stable for at least one year from date of receipt at -70 degree C. Upon reconstitution, this cytokine can be stored in working aliquots at 2-8 degree C for one month, or at -20 degree C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for HB-EGF active protein

Human HBEGF (Heparin Binding EGF like growth factor) is a member of the EGF family of peptide growth factors that signal through the EGF receptor, and stimulates the proliferation of smooth muscle cells, fibroblasts, epithelial cells, and keratinocytes. HBEGF is expressed in many cell types and tissues, including bronchial epithelium, visceral and vascular smooth muscle, CD4+ T cells, glomerular podocytes, keratinocytes, macrophages and certain tumor cells. Mature HBEGF is a soluble peptide that arises from the proteolytic processing of the 208 amino acid type-I transmembrane form and exhibits the ability to specifically bind heparin and heparin sulfate proteoglycans.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503413
NCBI GeneID	1839
NCBI Accession #	NP_001936.1
NCBI GenBank Nucleotide #	NP_001936.1
UniProt Accession #	Q99075
Molecular Weight	10.1 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
UniProt Entry Name	HBEGF_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-active-protein/hb-egf-heparin-binding-egf/214291>