

Active Recombinant Human HBEGF protein

Cat. No. HBEGF-530H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HBEGF protein(Q99075)(63-148 aa) was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	63-148 aa
Form	Lyophilized from a 0.2 μ filtered concentrated solution in 10 mM PB, 500 mM NaCl, 5% trehalose, pH 7.4.
Bio-activity	Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using murine Balb/c 3T3 cells is less than 1 ng/ml, corresponding to a specific activity of $> 1.0 \times 10^6$ U/mg.
Molecular Mass	Approximately 9.7 kDa, a single non-glycosylated polypeptide chain containing 86 amino acids.
AASequence	DLQEADLDLL RVTLSKPKQA LATPNKEEHG KRKKKGKGLG KKRDPCLRKY KDFCIHGCEK YVKELRAPSC ICHPGYHGER CHGLSL
Endotoxin	Less than 0.1 EU/g of rHuHB-EGF as determined by LAL method.
Purity	> 97% by SDS-PAGE and HPLC analyses.

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Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.

Reconstitution We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name HBEGF heparin-binding EGF-like growth factor [Homo sapiens]

Official Symbol HBEGF

Synonyms HBEGF; heparin-binding EGF-like growth factor; diphtheria toxin receptor (heparin binding epidermal growth factor like growth factor) , DTR, DTS, HEGFL; proheparin-binding EGF-like growth factor; Diphtheria toxin receptor (heparin binding EGF like growth factor); heparin binding epidermal growth factor; heparin-binding epidermal growth factor; diphtheria toxin receptor (heparin-binding EGF-like growth factor); diphtheria toxin receptor (heparin-binding epidermal growth factor-like growth factor); DTR; DTS; DTSF; HEGFL;

Gene ID 1839

mRNA Refseq NM_001945

Protein Refseq NP_001936

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MIM	126150
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UniProt ID	Q99075
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SDS-PAGE	
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