Active Recombinant Human HBEGF

Cat. No. HBEGF-871H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HBEGF (Q99075) (Met 1-Leu 148) without the C-terminal propeptide (aa 149-208) was produced in Baculovirus-Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	Met 1-Leu 148
Form	Lyophilized from sterile 50 mM Tris, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured in a cell proliferation assay using Balb/C 3T3 mouse embryonic fibroblasts.The ED50 for this effect is typically 0.4-2ng/mL.
Molecular Mass	The expressed pro form of human HBEGF consists of 148 amino acids and predicts a molecular mass of 16.4 kDa. The processed soluble HBEGF is a 9.7 kDa protein comprising 86 amino acids generated by proteolytic processing.
Endotoxin	< 1.0 EU per μg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C

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	Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4℃ before opening to recover the entire contents.

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
MIM	126150
UniProt ID	Q99075

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