

Datasheet for ABIN2018329 **HBEGF Protein (AA 63-148)**



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Overview

Quantity:	1 mg
Target:	HBEGF
Protein Characteristics:	AA 63-148
Origin:	Human
Source:	CHO Cells
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Characteristics:	ED50 <0.5 ng/mL, measured in a cell proliferation assay using 3T3 cells.
Purity:	> 95 % as analyzed by SDS-PAGE and HPLC.
Endotoxin Level:	< 0.2 EU/μg, determined by LAL method.

Target Details

Target:	HBEGF
Alternative Name:	Proheparin-Binding EGF-Like Growth Factor (HB-EGF) (HBEGF Products)
Background:	Proheparin-binding EGF-like growth factor (HB-EGF), also known as DTR, DTS and HEGFL, is a member of the EGF family of mitogens. It is expressed in macrophages, monocytes, endothelial cells and muscle cells. HB-EGF signals through the EGF receptor to stimulate the proliferation of smooth muscle cells, epithelial cells and keratinocytes. Compared to EGF, HB-EGF binds the EGF receptor with higher affinity and is thus more mitogenic, probably due to its ability to bind

Target Details

to heparin and heparin sulfate proteoglycans. HB-EGF has been reported to act as a diphtheria toxin receptor, mediating endocytosis of the bound toxin.

Synonyms: DTR, DTS, HEGFL

Molecular Weight: 12-14 kDa, observed by reducing SDS-PAGE.

UniProt: [Q99075](#)

Pathways: [RTK Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstituted in ddH₂O or PBS at 100 µg/mL.

Buffer: Lyophilized after extensive dialysis against PBS.

Storage: -80 °C

Storage Comment: Lyophilized recombinant Human HB-EGF remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, Human HB-EGF should be stable up to 1 week at 4°C or up to 2 months at -20°C.

Expiry Date: 6 months