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Datasheet for ABIN7092838 HBEGF Protein (Fc Tag)

Overview

Quantity:	100 µg
Target:	HBEGF
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HBEGF protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human HBEGF with C-terminal human Fc tag
Specificity:	HBEGF (Leu20-Thr160) hFc (Glu99-Ala330)
Characteristics:	Extracellular Domain Protein
Purification:	affinity purification
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	HBEGF
Alternative Name:	HBEGF (HBEGF Products)
Background:	Synonyms: DTR,DTS,DTSF,HEGFL Description: Growth factor that mediates its effects via EGFR, ERBB2 and ERBB4. Required for normal cardiac valve formation and normal heart function. Promotes smooth muscle cell

Target Details

	proliferation. May be involved in macrophage-mediated cellular proliferation. It is mitogenic for fibroblasts, but not endothelial cells. It is able to bind EGF receptor/EGFR with higher affinity than EGF itself and is a far more potent mitogen for smooth muscle cells than EGF. Also acts as a diphtheria toxin receptor.[UniProtKB/Swiss-Prot Function]
Molecular Weight:	predicted molecular mass of 41.9 kDa after removal of the signal peptide. The apparent molecular mass of HBEGF-hFc is 35-55 kDa due to glycosylation.
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:	Reconstitute with deionized water
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months