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32-20036: Recombinant Human Betacellulin(Discontinued)

Reactivity : Human , Mouse
Alternative Name : BTC

Description

Source:E.coli Betacellulin is an EGF-related polypeptide growth factor that signals through the EGF receptor. It is produced in several tissues, including the pancreas, small intestine, and in certain tumor cells. Betacellulin is a potent mitogen for retinal pigment epithelial cells and vascular smooth muscle cells. HumanÂ betacellulin is initially synthesized as a glycosylated 32.0 kDa transmembrane precursor protein, which is processed by proteolytic cleavage to produce the mature sequence. Recombinant Human Betacellulin is a 9.0 kDa monomeric protein, containing 80 amino acid residues, which comprises the mature EGF-homologous portion of the Betacellulin protein.

Product Info

Amount : 5 µg / 20 µg
Purification : Purity: >= 98% by SDS-PAGE gel and HPLC analyses.
Content : This recombinant protein is supplied in lyophilized form.
Amino Acid : DGNSTRSPET NGLLCGDPEE NCAATTTQSK RKGHFSRCPK QYKHYCIKGR CRFVVAEQTP SCVCDEGYIG ARCERVDLFY

Application Note

TheÃ□Â ED_{50}Ã□Â was determined by the dose-dependent stimulation of the proliferation of murine Balb/3T3 cells is <= 0.05 ng/ml, corresponding to a specific activity of >= 2 x 10^7units/mg.