

32-20037: Recombinant Murine Betacellulin(Discontinued)

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. 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 Murine 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: $\geq 98\%$ by SDS-PAGE gel and HPLC analyses.

Content : This recombinant protein is supplied in lyophilized form.

Amino Acid : DGNTTTRTPET NGSLCGAPGE NCTGTTPRQK VKTHFSRCPK QYKHYCIHGR CRFVVDEQTP SCICEKGYFG
ARCERVDLFY

Application Note

Determined by its ability to stimulate the proliferation of mouse Balb/3T3 cells. The expected ED_{50} is ≤ 0.01 ng/ml, corresponding to a specific activity of $\geq 1 \times 10^8$ units/mg.