

### 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 :** DGNTTRTPET 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  $\leq 0.01$  ng/ml, corresponding to a specific activity of  $\geq 1 \times 10^8$  units/mg.