

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. Human 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: $\geq 98\%$ 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

The ED_{50} 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 $\geq 2 \times 10^7$ units/mg.