

## 32-1105: bBTC Recombinant Protein

### Description

Source : Escherichia Coli. Betacellulin Bovine Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 80 amino acids and having a molecular mass of 9003 Dalton. Betacellulin Bovine Recombinant is purified by proprietary chromatographic techniques. Btc is a potent mitogen for retinal pigment epithelial cells and vascular smooth muscle cells. The effects of betacellulin are probably mediated by the egf receptor and other related receptors.

### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
<b>Content :</b>	The Betacellulin Bovine Recombinant was lyophilized after extensive dialysis against 50mM acetic acid.
<b>Storage condition :</b>	Lyophilized Betacellulin Bovine Recombinant although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution BTC Bovine should be stored at 4°C between 2-7 days and for future use below -18°C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.
<b>Amino Acid :</b>	The sequence of the first five N-terminal amino acids was determined and was found to be Asp-Gly-Asn-Ser-Thr.

### Application Note

It is recommended to reconstitute the lyophilized BTC Bovine in sterile 18M $\Omega$ cm H<sub>2</sub>O not less than 100 $\Omega$ µg/ml, which can then be further diluted to other aqueous solutions. The ED<sub>50</sub>, calculated by the dose-dependent proliferation of murine BALBC 3T3 cells (measured by 3H-thymidine uptake) is < 10.0 ng/ml, corresponding to a Specific Activity 100,000 units/mg.