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32-1102: BTC Recombinant Protein

Description

Source : Escherichia Coli. Betacellulin Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 80 amino acids and having a molecular mass of 9 kDa. Betacellulin Human 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

Amount :	20 µg
Purification :	Greater than 97.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	The Betacellulin Human Recombinant was lyophilized after extensive dialysis against 20mM phosphate buffer pH-7.4.
Storage condition :	Lyophilized Betacellulin Human Recombinant although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution BTC Human 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.
Amino Acid :	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 Human in sterile 18MÃ□Â©-cm H2O not less than 100Ã□Âµg/ml, which can then be further diluted to other aqueous solutions. The ED50, calculated by the dose-dependant proliferation of murine BALBC 3T3 cells (measured by 3H-thymidine uptake) is < 0.05 ng/ml. corresponding to a Specific Activity of >20,000,000IU/mg.