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32-1104: mBTC Recombinant Protein

Alternative Name : Betacellulin,Probetacellulin.

Description

Source : Escherichia Coli. BTC Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 80 amino acids and having a molecular mass of 9.0kDa. The BTC 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 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	Lyophilized from a 0.2µm filtered concentrated solution in 1xPBS, pH 7.4.
Storage condition :	Lyophilized BTC although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution BTC 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 :	DGNTTRTPET NGSLCGAPGE NCTGTTPRQK VKTHFSRCPK QYKHYCIHGR CRFVVDEQTP SCICEKGYFG ARCERVDLFY

Application Note

It is recommended to reconstitute the lyophilized BTC Mouse Recombinant in sterile 18M-cm H2O not less than 100ÃÂµg/ml, which can then be further diluted to other aqueous solutions. The ED50 was determined by the dose-dependent stimulation of the proliferation of mouse Balb/3T3 cells is < 0.01 ng/ml, corresponding to a Specific Activity of > 1.0x108 IU/mg.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.