

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

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.

Lyophilized BTC although stable at room temperature for 3 weeks, should be stored desiccated

Storage condition : 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 NCTGTTPROK 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 $100\text{\AA}\Box\text{Å}\mu\text{g/ml}$, 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.

