

BBetacellulin Active Protein | bBTC active protein

Recombinant Bovine Betacellulin

CATALOG #
AAA38191

HOST
E Coli

PRODUCT SYNONYMS

BBetacellulin; Recombinant Bovine Betacellulin; BTC Bovine; Betacellulin Bovine Recombinant; bBTC active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	The Betacellulin Bovine Recombinant was lyophilized after extensive dialysis against 50mM acetic acid. Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence	Thesequenc eofthefirs tfiveN-ter minalamino acidswasde terminedan dwasfoundt obeAsp-Gly -Asn-Ser-T hr
Sequence Length	178
Solubility	It is recommended to reconstitute the lyophilized BTC Bovine in sterile 18M Omega -cm H2O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Protein Content	Protein quantitation was carried out by two independent methods:1. UV spectroscopy at 280 nm using the absorbency value of 0.59 as the extinction coefficient for a 0.1% (1mg/ml) solution. This value is calculated by the PC GENE computer analysis program of protein sequences (IntelliGenetics). 2. Analysis by RP-HPLC, using a calibrated solution of BTC as a Reference Standard.
Biological Activity	The ED50, 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.
Preparation and Storage	Lyophilized Betacellulin Bovine Recombinant although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution BTC Bovine should be stored at 4 degree C between 2-7 days and for future use below -18 degree C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for bBTC active protein	Description: 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. Introduction: 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 Categories/Family for bBTC active protein	Cytokines and Growth Factors; Cytokines; Betacellulin

NCBI AND UNIPROT INFORMATION

NCBI GI #	13626137
NCBI GeneID	280737
UniProt Accession #	Q9TTC5

NCBI Official Full Name	Probetacellulin
NCBI Official Synonym Full Names	betacellulin
NCBI Official Symbol	BTC
NCBI Protein Information	probetacellulin
UniProt Protein Name	Probetacellulin
UniProt Gene Name	BTC
UniProt Synonym Gene Names	BTC
UniProt Entry Name	BTC_BOVIN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/e-coli-bbtc-active-protein/bbetacellulin/38191>