

## Betacellulin Bovine Recombinant

<b>Item Number</b>	rAP-0364
<b>Synonyms</b>	
<b>Description</b>	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.
<b>Uniprot Accession Number</b>	Q9TTC5
<b>Amino Acid Sequence</b>	The sequence of the first five N-terminal amino acids was determined and was found to be Asp-Gly-Asn-Ser-Thr.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered White lyophilized (freeze-dried) powder. 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>Formulation and Purity</b>	The Betacellulin Bovine Recombinant was lyophilized after extensive dialysis against 50mM acetic acid. Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	It is recommended to reconstitute the lyophilized BTC Bovine in sterile 18MΩ-cm H <sub>2</sub> O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
<b>Biological Activity</b>	The ED <sub>50</sub> , calculated by the dose-dependent proliferation of murine BALB/C 3T3 cells (measured by 3H-thymidine uptake) is < 10.0 ng/ml, corresponding to a Specific Activity 100,000 units/mg.
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**