

Betacellulin Human Recombinant

Item Number	rAP-0363
Synonyms	
Description	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.
Uniprot Accession Number	P35070
Amino Acid Sequence	The sequence of the first five N-terminal amino acids was determined and was found to be Asp-Gly-Asn-Ser-Thr.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	The Betacellulin Human Recombinant was lyophilized after extensive dialysis against 20mM phosphate buffer pH-7.4. Greater than 97.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized BTC Human in sterile 18MΩ-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED ₅₀ , calculated by the dose-dependant proliferation of murine BALB/C 3T3 cells (measured by 3H-thymidine uptake) is < 0.05 ng/ml. corresponding to a Specific Activity of >20,000,000IU/mg.
Shipping Format and Condition	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**