

RPPB0119

Product Information Protein Information

Product SKU:

RPPB0119

Accession:

P35070

Host:

Escherichia Coli.

Protein 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.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

The Betacellulin Human Recombinant was lyophilized after extensive dialysis against 20mM phosphate buffer pH-7.4.

Purity:

Greater than 97.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized BTC Human in sterile 18M Ω -cm H₂O not less than 100 μ g/ml, which can then be further diluted to other aqueous solutions.

Stability:

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.

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.

Biological Activity:

The ED₅₀, 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.