
Product Data Sheet

Product Name: BTC Bovine
Cat. No.: GP20129
Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
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.		
Solubility	It is recommended to reconstitute the lyophilized BTC Bovine in sterile 18MΩ-cm H ₂ O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	The Betacellulin Bovine Recombinant was lyophilized after extensive dialysis against 50mM acetic acid.		

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.

Biological Activity

The ED₅₀, 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.

Stability

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.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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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.

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