
Product Data Sheet

Product Name: BTC Mouse
 Cat. No.: GP20128
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Betacellulin; Probetacellulin.		
Amino Acid Sequence	DGNTTRTPET NGSLCGAPGE NCTGTTPRQK VKTHFSRCPK QYKHYCIHGR CRFVVDEQTP SCICEKGYFG ARCERVDLFY		
Solubility	It is recommended to reconstitute the lyophilized BTC Mouse Recombinant in sterile 18M-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	Lyophilized from a 0.2µm filtered concentrated solution in 16 ^L PBS, pH 7.4.		

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 was determined by the dose-dependent stimulation of the proliferation of mouse Balb/3T3 cells is < 0.01 ng/ml, corresponding to a Specific Activity of > 1.0×10⁸ IU/mg.

Stability

Lyophilized BTC although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution BTC 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.

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

Product Data Sheet

Background

BTC Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 80 amino acids and having a molecular mass of 9.0kDa. The BTC is purified by proprietary chromatographic techniques.

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