
Product Data Sheet

Product Name: BTC Human, HEK
Cat. No.: GP26010
Batch No.: 1

Product Data

Purity	>98%	Source	HEK293 cells.
Physical Appearance	solid	Shipping Condition	withIcePacks
Synonyms	Betacellulin isoform 1, Probetacellulin, Betacellulin, BTC		
Amino Acid Sequence	DGNSTRSPET NGLLCGDPEE NCAATTTQSK RKGHFSRCPK QYKHYCIKGR CRFVVAEQTP SCVCDEGYIG ARCERVDLFY HHHHHH		
Formulation	BTC protein (0.25mg/ml) contains 10% glycerol and Phosphate-Buffered Saline (pH 7.4).		

Introduction

BTC is a potent mitogen for retinal pigment epithelial cells and vascular smooth muscle cells. The effects of betacellulin are mediated by the EGF receptor and other related receptors.

Biological Activity

ED50 range is ≤ 0.5 ng/ml. It is measured by cell proliferation assay using Balb/3T3 mouse embryonic fibroblast cells.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

BTC Human Recombinant produced in HEK293 cells is a single, glycosylated polypeptide chain (32-111 a.a) containing 86 amino acids and having a molecular mass of 9.8kDa. BTC is fused to a 6 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

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

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