

Specifications:

Gene:	<i>h</i> BTC
Accession:	NP_001720.1
Insert size:	550bp
Concentration:	10µg at 0.2µg/µL

***h*Betacellulin cDNA Plasmid**

**BTC betacellulin [*Homo sapiens*
(human)]**

Summary:

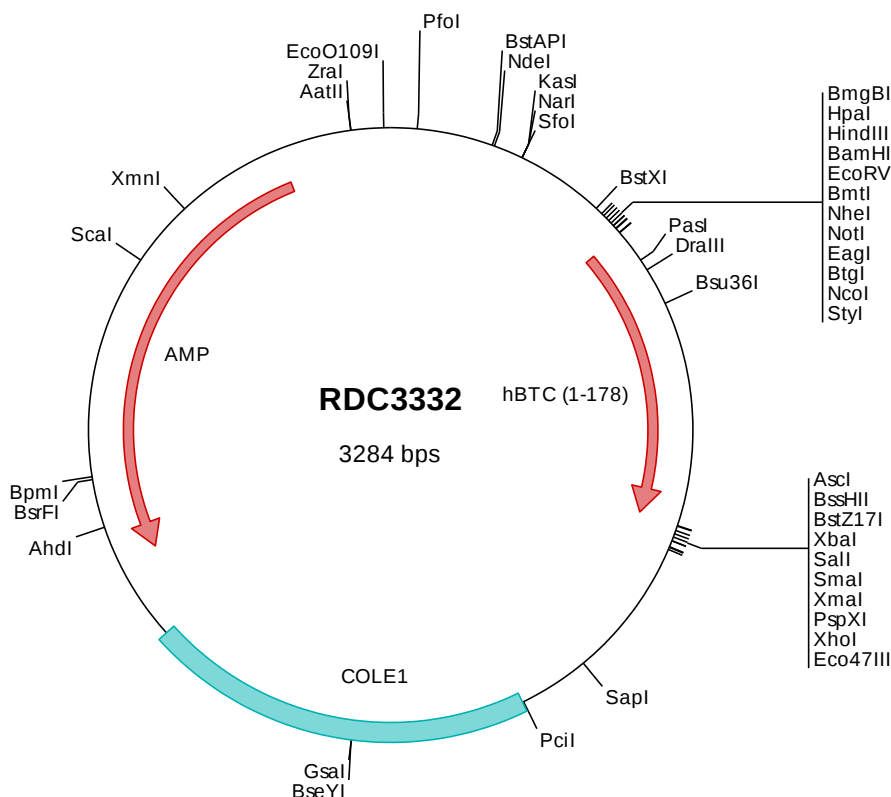
Betacellulin (BTC) is a member of the EGF family of cytokines. All of these cytokines are synthesized as transmembrane precursors and are characterized by the presence of one or more EGF structural units in their extracellular domain. The soluble forms of these cytokines are released by proteolytic cleavage. The secreted form and membrane-anchored form of BTC bind to multiple different EGF receptors. It promotes pancreatic cell proliferation and insulin secretion, as well as retinal vascular permeability. Mutations in BTC may be associated with type 2 diabetes in human patients.

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.



> RDC3332 Plasmid DNA Sequence

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1   tcgcgcgctt  cggatgatgac  ggtgaaaacc  tctgacacat  gcagctcccc  gagacggtca  cagcttgtct  gtaagcggat  gccgggagca  gacaagcccg
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> RDC3332 Translated Insert Sequence

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