

# BTC

Catalog # PVGS1435

## Product Information

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<b>Primary Accession</b>	<a href="#">Q05928</a>
<b>Species</b>	Mouse
<b>Sequence</b>	MDGNTRTPE TNGSLCGAPG ENCTGTPRQ KVKTHFSRCP KQYKHYCIHG RCRFVDEQT PSCICEKGYF GARCERVDLF Y
<b>Purity</b>	> 95% by SDS-PAGE analysis.
<b>Endotoxin Level</b>	
<b>Formulation</b>	Lyophilized after extensive dialysis against 50mM Tris, 300mM NaCl, pH9.0.
<b>Reconstitution</b>	Reconstituted in ddH <sub>2</sub> O at 100 µg/mL.

## Additional Information

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<b>Other Names</b>	Probetacellulin, Betacellulin, BTC, Btc, Bcn
<b>Target Background</b>	<p>Betacellulin is a pleiotropic cytokine that belongs to the Epidermal Growth Factor (EGF) family. Like other members of the EGF family, Betacellulin possesses a conserved sequence of 35-40 amino acids which contain 3 disulfide bonds formed by 6 cysteines. Betacellulin is unique in the EGF family since it can bind and activate a broad spectrum of ErbB receptors. Functionally, Betacellulin plays a role in the development of the pancreas by activating signaling pathways beneficial for the function, survival and regeneration of pancreatic <math>\beta</math>-cells. Additionally, Betacellulin has potential angiogenic activities and is important for the growth, development and repair of certain tissues.</p> <p>Recombinant mouse Betacellulin (rmBetacellulin) produced in E. coli is a single non-glycosylated polypeptide chain containing 81 amino acids. A fully biologically active molecule, rmBetacellulin has a molecular mass of 9.2 kDa analyzed by reducing SDS-PAGE and is obtained by proprietary chromatographic techniques at .</p>

## Protein Information

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