

Datasheet for ABIN7491399

**Betacellulin Protein (BTC) (AA 32-111) (Fc Tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	100 µg
Target:	Betacellulin (BTC)
Protein Characteristics:	AA 32-111
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Betacellulin protein is labelled with Fc Tag.

## Product Details

Purpose:	Recombinant Human BTC Protein with C-terminal human Fc tag
Specificity:	BTC (Asp32-Tyr111) hFc (Glu99-Ala330)
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

## Target Details

Target:	Betacellulin (BTC)
Alternative Name:	BTC ( <a href="#">BTC Products</a> )
Background:	This gene encodes a member of the epidermal growth factor (EGF) family of proteins.

## Target Details

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Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the secreted growth factor. A secreted form and a membrane-anchored form of this protein bind to multiple different EGF receptors. This protein promotes pancreatic cell proliferation and insulin secretion, as well as retinal vascular permeability. Mutations in this gene may be associated with type 2 diabetes in human patients. [provided by RefSeq, Nov 2015]

**Molecular Weight:** predicted molecular mass of 35.1 kDa after removal of the signal peptide. The apparent molecular mass of BTC-hFc is 35-70 kDa due to glycosylation.

**UniProt:** [P35070](#)

**Pathways:** [RTK Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#)

## Application Details

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**Restrictions:** For Research Use only

## Handling

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**Format:** Lyophilized

**Buffer:** Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

**Storage:** -20 °C, -80 °C

**Storage Comment:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).  
Lyophilized proteins are shipped at ambient temperature.

**Expiry Date:** 12 months



### SDS-PAGE

**Image 1.** Human BTC Protein, hFc Tag on SDS-PAGE under reducing condition.