



[Go to Product page](#)

Datasheet for ABIN2017687

Betacellulin Protein (BTC) (AA 32-111)

Overview

Quantity: 50 µg

Target: Betacellulin (BTC)

Protein Characteristics: AA 32-111

Origin: Human

Source: HEK-293T Cells

Protein Type: Recombinant

Biological Activity: Active

Product Details

Characteristics: ED50 < 4 pg/mL, measured in a cell proliferation assay using 3T3 cells.

Purity: > 95 % as analyzed by SDS-PAGE.

Endotoxin Level: < 0.2 EU/µg, determined by LAL method.

Target Details

Target: Betacellulin (BTC)

Alternative Name: Betacellulin ([BTC Products](#))

Background: Betacellulin (BTC) is a member of the EGF family of cytokines that also includes EGF, TGF- α , Amphiregulin, HB-EGF, Epiregulin, Tomoregulin, Heregulin and Neuregulins. At the amino acid sequence level, human mature BTC protein exhibits 80 % identity with mouse BTC protein. BTC is expressed in most tissues including kidney, uterus, liver and pancreas. It is also present in body fluids, including serum, milk, and colostrum.

Target Details

Synonyms: BTC

Molecular Weight: 15-18 kDa, observed by reducing SDS-PAGE.

UniProt: [P35070](#)

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

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstituted in ddH₂O or PBS at 100 µg/mL.

Buffer: Lyophilized after extensive dialysis against PBS.

Storage: -80 °C

Storage Comment: Lyophilized recombinant Human Betacellulin remains stable up to 6 months at -80 °C from date of receipt. Upon reconstitution, Human Betacellulin should be stable up to 1 week at 4 °C or up to 2 months at -20 °C.

Expiry Date: 6 months