

## Active Recombinant Human BTC Protein

Cat. No. BTC-194B Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human BTC Protein without tag was expressed in HEK 293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	Betacellulin (BTC) is a member of the EGF family of cytokines that also includes EGF, TGF- $\alpha$ , 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.
<b>Form</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Bio-activity</b>	ED50 < 4 pg/mL, measured in a cell proliferation assay using 3T3 cells.
<b>Molecular Mass</b>	15~18 kDa, observed by reducing SDS-PAGE.
<b>AA Sequence</b>	DGNSTRSPETNGLLCGDPEENCAATTTQSKRKGHF SRCPKQYKH YCIKGR CRFVV AEQTPSCVCDEGYIGARCERVDLFY
<b>Endotoxin</b>	< 0.2 EU/ $\mu$ g, determined by LAL method.
<b>Purity</b>	> 95% as analyzed by SDS-PAGE.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

**Storage Buffer** Lyophilized after extensive dialysis against PBS.

**Reconstitution** Reconstituted in ddH<sub>2</sub>O or PBS at 100 µg/mL.

## GENE INFORMATION

**Gene Name** [BTC betacellulin \[ Homo sapiens \]](#)

**Official Symbol** [BTC](#)

**Synonyms** BTC; betacellulin; probetacellulin;

**Gene ID** [685](#)

**mRNA Refseq** [NM\\_001729](#)

**Protein Refseq** [NP\\_001720](#)

**MIM** [600345](#)

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

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