

Active Recombinant Human BTC Protein

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

SPECIFICATION

Product Overview	Recombinant Human BTC Protein without tag was expressed in HEK 293.
Species	Human
Source	HEK293
Description	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.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	ED50 < 4 pg/mL, measured in a cell proliferation assay using 3T3 cells.
Molecular Mass	15~18 kDa, observed by reducing SDS-PAGE.
AA Sequence	DGNSTRSPETNGLLCGDPEENCAATTTQSKRKGHF SRCPKQYKH YCIKGRCRFVVAEQTPSCVCDEGYIGARCERVDLFY
Endotoxin	< 0.2 EU/ μ g, determined by LAL method.
Purity	> 95% as analyzed by SDS-PAGE.

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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 ₂ 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