



## Betacellulin, His Tag, human recombinant (rHuBTC-His)

**Catalog No:** 97417  
**Lot No:** XXXXX  
**Source:** *E. coli*  
**Synonyms:** Betacellulin, Probetacellulin

### Background

Btc is a potent mitogen for retinal pigment epithelial cells and vascular smooth muscle cells. The effects of betacellulin are probably mediated by the egf receptor and other related receptors.

### Description

BTC human recombinant produced in *E. coli* is a single, non-glycosylated polypeptide chain containing 101 amino acids (32-111) and having a molecular mass of 11.3 kDa. BTC is fused to a 21 amino acid His Tag at N-terminus and purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile filtered colorless solution.

### Formulation

The BTC solution (0.25 mg/ml) contains 20 mM Tris-HCl buffer (pH 8.0), 5 mM DTT, 0.2 M NaCl and 20% glycerol.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Purity

Greater than 90% as determined by SDS-PAGE.

### Amino Acid Sequence

MGSSHHHHHH SSGLVPRGSH MDGNSTRSPE TNGLLCGDPE ENCAATTTQS KRKGHFSRCP KQYKHYCIKG RCRFVVAEQT  
PSCVCDEGYI GARCERVDLF Y

### Usage

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