
Product Data Sheet

Product Name: BTC His Human
 Cat. No.: GP20127
 Batch No.: 1

Product Data

| | | | |
|---------------------|---|--------------------|-------------------------|
| Purity | >98% | Source | E.coli. |
| Physical Appearance | solid | Shipping Condition | Shipped with Ice Packs. |
| Synonyms | Betacellulin; Probetacellulin. | | |
| Amino Acid Sequence | MGSSHHHHHH SGLVPRGSH MDGNSTRSPE TNGLLCGDPE ENCAATTTQS KRKGHFSRCP KQYKHYCIKG RCRFVVAEQT PSCVCDEGYI GARCERVDLF Y | | |
| Formulation | The BTC solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 5mM DTT, 0.2M NaCl and 20% glycerol. | | |

Introduction

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.

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.

Background

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 & purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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