

BTC recombinant protein

BTC, 32-111aa, Human, His tag, E Coli

CATALOG # AAA48743	HOST E Coli	APPLICATIONS SDS-Page
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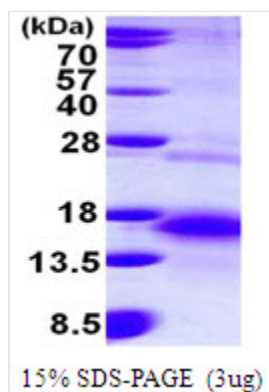
PRODUCT SYNONYMS

BTC; 32-111aa; Human; His tag; E Coli; Betacellulin; probetacellulin precursor; BTC recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 5mM DTT, 20% glycerol, 200mM NaCl
Concentration	0.25mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MDGNSTRSPE TNGLLCGDPE ENCAATTTQS KRKGHF SRCP KQYKHYCIKG RCRFVVAEQT PSCVCDEGYI GARCERVDLF Y
Sequence Length	178
Applicable Applications for BTC recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for BTC recombinant protein	BTC (Betacellulin) is a member of the EGF family of growth factors and contains 1 EGF-like domain. It is synthesized primarily as a transmembrane precursor, which is then processed to mature molecule by proteolytic events. This protein is a ligand for the EGF receptor. The effects of BTC are probably mediated by the EGF receptor and other related receptors. Recombinant human BTC protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for BTC recombinant protein	Growth factors
References	Gratao AA, et al. (2008) Biol Reprod.78 (1):43-52.; Genetos DC, et al. (2010) Cell Tissue Res. 340 (1):81-9.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502461
NCBI GeneID	685
NCBI Accession #	NP_001720
NCBI GenBank Nucleotide #	NM_001729.3
UniProt Accession #	P35070; Q96F48
Molecular Weight	11.3kD (101aa), confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)
NCBI Official Full Name	probetacellulin isoform 1 preproprotein
NCBI Official Synonym Full Names	betacellulin
NCBI Official Symbol	BTC
NCBI Protein Information	probetacellulin
UniProt Protein Name	Probetacellulin
UniProt Gene Name	BTC
UniProt Synonym Gene Names	BTC

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.