

Product datasheet

Recombinant human BTC protein ab200256

Description

Product name	Recombinant human BTC protein	
Biological activity	The ED ₅₀ was determined by the dose-dependent stimulation of the proliferation of murine Balb/3T3 cells is ≤ 0.05 ng/ml, corresponding to a specific activity of ≥ 2 x 10 ⁷ units/mg.	
Purity	> 98 % SDS-PAGE. The purity of ab170516 was >98% by SDS-PAGE and HPLC analyses.	
Endotoxin level	< 1.000 Eu/μg	
Expression system	Escherichia coli	
Accession	P35070	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	DGNSTRSPET NGLLCGDPEE NCAATTTQSK RKGHFSRCPK QYKHICYIKGR CRFVVAEQTP SCVCDEGYIG ARCERVDLFY	
Predicted molecular weight	8 kDa	
Amino acids	32 to 111	
Additional sequence information	This product is for the mature, full length Betacellulin protein from aa 32 to 111. The signal peptide is not included	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab200256** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE HPLC Functional Studies
Form	Lyophilised
Additional notes	Protein previously labeled as Betacellulin.

Preparation and Storage

Stability and Storage

Shipped at 4°C. Store at -20°C long term. Avoid freeze / thaw cycle.

pH: 7.40

Constituent: 100% PBS

Lyophilized from a 0.2 um filtered concentrated solution.

This product is an active protein and may elicit a biological response in vivo, handle with caution.

Reconstitution

Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL

General Info

Function

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.

Tissue specificity

Synthesized in several tissues and tumor cells. Predominantly expressed in pancreas and small intestine.

Sequence similarities

Contains 1 EGF-like domain.

Cellular localization

Cell membrane and Secreted > extracellular space.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Replacement or refund for products not performing as stated on the datasheet
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