

Product datasheet

Recombinant human BTC protein ab123846

Description

Product name	Recombinant human BTC protein	
Biological activity	The ED ₅₀ , calculated by the dose-dependant proliferation of murine BALBC 3T3 cells (measured by 3H-thymidine uptake) is < 0.05 ng/ml; corresponding to a Specific Activity of > 2.0 × 10 ⁷ IU/mg.	
Purity	> 97 % SDS-PAGE. ab123846 was purified by proprietary chromatographic techniques. Purity is greater than 97% as determined by HPLC and SDS-PAGE.	
Expression system	Escherichia coli	
Accession	P35070	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	DGNSTRSPETNGLLCGDPEENCAATTTQSKRKGHFSRCP KQYKHYCIKGR CRFVVA EQTPSCVCDEGYIGARCERVDLFY	
Predicted molecular weight	9 kDa	
Amino acids	32 to 111	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab123846** in the following tested applications.

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

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

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at -20°C. Store under desiccating conditions.
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pH: 7.40

Constituent: PBS

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

Reconstitution

Centrifuge the vial prior to opening. Reconstitute in sterile distilled H₂O to a concentration of 100 µg/ml. This solution can then be diluted into other aqueous buffers. Reconstituted ab123846 should be stored at 4°C for 2-7 days and at -20°C for future use. For long term storage it is recommended to add a carrier protein (0.1 % HSA or BSA) and store as working aliquots at -20°C.

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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