Datasheet for ABIN5608199

Betacellulin Protein (BTC) (partial) (Fc Tag)

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Overview

Quantity:	50 µg
Target:	Betacellulin (BTC)
Protein Characteristics:	partial
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Betacellulin protein is labelled with Fc Tag.
Application:	Western Blotting (WB)

Product Details

Sequence:	Asp 32 - Tyr 111
Purity:	>92 % as determined by reduced SDS-PAGE.
Endotoxin Level:	Endotoxin level is less than 1.0 EU per ug by the LAL method.

Target Details

Target:	Betacellulin (BTC)
Alternative Name:	Betacellulin (BTC Products)
Background:	Probetacellulin can be cleaved into the Betacellulin (BTC) that is a single-pass type I membrane protein containing 1 EGF-like domain. Predominantly expressed in pancreas and small intestine,Betacellulin (BTC) is synthesized primarily as a transmembrane precursor, which is then processed to mature molecule by proteolytic events. As a potent mitogen for retinal

Target Details

	pigment epithelial cells and vascular smooth muscle cells, Betacellulin (BTC) is also the growth factor that binds to EGFR, ERBB4 and other EGF receptor family members. Betacellulin (BTC) was originally identified as a growth-promoting factor in mouse pancreatic beta-cell carcinoma cell line and has since been identified in humans. The amino acid sequence of mature mBTC is 82.5 % , identical with that of human BTC (hBTC), and both exhibit significant overall similarity with other members of the EGF family.
Molecular Weight:	36.5 kDa
Gene ID:	685
UniProt:	P35070
Pathways:	RTK Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway

Application Details

Application Notes:	This recombinant protein can be used for WB.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	50 mM Tris, 100 mM Glycine, pH 7.5
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C,-80 °C
Storage Comment:	Lyophilized Protein should be stored at -20°C or lower for long term storage. Upon reconstitution, working aliquots should be stored at -20°C or -70°C.