PRODUCT INFORMATION

Target	BTC
Synonyms	Betacellulin
Description	Recombinant Human BTC Protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	P35070
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	BTC(Asp32-Tyr111) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 35.1 kDa after removal of the signal peptide. The apparent molecular mass of BTC-hFc is approximately 35-70 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	This gene encodes a member of the epidermal growth factor (EGF) family of proteins. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the secreted growth factor. A secreted form and a membrane-anchored form of this protein bind to multiple different EGF receptors. This protein promotes pancreatic cell proliferation and insulin secretion, as well as retinal vascular permeability. Mutations in this gene may be associated with type 2 diabetes in human patients. [provided by RefSeq, Nov 2015]
Usage	Research use only
Conjugate	Unconjugated

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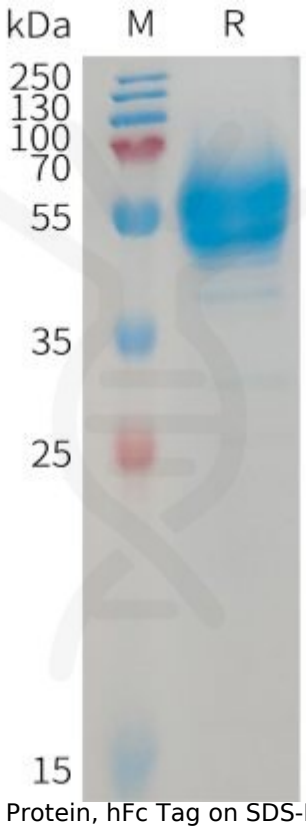


Figure 1.Human BTC Protein, hFc Tag on SDS-PAGE under reducing condition.

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