Bioactive

BTC (Human) Recombinant Protein

Catalog # P8497 Size 20 ug

Specification

Product Description	Human BTC (P35070) recombinant protein expressed in *Escherichia coli*.
Sequence	DGNSTRSPETNGLLCGDPEENCAATTTQSKRKGHFSRCPKQYKHYCIKGRCRFVVAEQTPSCVC DEGYIGARCERVDLFY.
Host	Escherichia coli
Theoretical MW (kDa)	9
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Purity	> 98% by HPLC and SDS PAGE
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 <20,000,000 IU/mg.
Storage Buffer	The Betacellulin Human Recombinant was lyophilized from a 0.2um filtered concentrated solution in PBS, pH 7.4.
Storage Instruction	Store at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles.

Applications

- Functional Study
- SDS-PAGE

Gene Info — BTC

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Entrez GeneID	685
Protein Accession#	P35070
Gene Name	BTC
Gene Alias	-
Gene Description	betacellulin
Omim ID	600345
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the EGF family of growth factors. 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. [provided by RefSeq
Other Designations	OTTHUMP00000160600

Pathway

- ErbB signaling pathway

Disease

- Diabetes Mellitus
- Genetic Predisposition to Disease
- Obesity

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