

**Betacellulin, Murine recombinant protein**

BTC

Catalog # PBV10754r

**Specification****Betacellulin, Murine recombinant protein - Product info**

Primary Accession [Q05928](#)  
Calculated MW 9 kDa KDa

**Betacellulin, Murine recombinant protein - Additional Info**

Gene ID 12223  
Gene Symbol BTC  
**Other Names**  
BTC

Gene Source Mouse  
Source E.coli  
Assay&Purity SDS-PAGE; ≥98%  
Assay2&Purity2 HPLC;  
Recombinant Yes  
Sequence **DGNTTRTPET NGS LCGAPGE NCTGTTPRQK  
VKTHFSRCPK QYKHYCIHGR CRFVVDEQTP  
SCICEKGYFG ARCERVDLFY**

**Target/Specificity**

Betacellulin

**Application Notes**

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

**Format**

Lyophilized powder

**Storage**

-20°C; Sterile filtered through a 0.2 micron filter. Lyophilized with no additives.

**Betacellulin, Murine recombinant protein - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)

- [Flow Cytometry](#)
- [Cell Culture](#)

### **Betacellulin, Murine recombinant protein - Images**

### **Betacellulin, Murine recombinant protein - Background**

Betacellulin is an EGF-related polypeptide growth factor that signals through the EGF receptor. It is produced in several tissues, including the pancreas, small intestine, and in certain tumor cells. Betacellulin is a potent mitogen for retinal pigment epithelial cells and vascular smooth muscle cells. Betacellulin is initially synthesized as a glycosylated 32.0 kDa transmembrane precursor protein, which is processed by proteolytic cleavage to produce the mature sequence. Recombinant murine Betacellulin is a 9.0 kDa monomeric protein, containing 80 amino residues, which comprises the mature EGF homologous portion of the Betacellulin protein precursor.

### **Betacellulin, Murine recombinant protein - References**

Shing Y., et al. Science 259:1604-1607(1993).  
Carninci P., et al. Science 309:1559-1563(2005).  
Oh Y.S., et al. PLoS ONE 6:E23894-E23894(2011).