

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).