

Recombinant Murine Betacellulin
Catalog # PBG10038**Specification**

Recombinant Murine Betacellulin - Product Information**Recombinant Murine Betacellulin - Additional Information****Description**

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.

Biological Activity

Determined by its ability to stimulate the proliferation of M Balb/3T3 cells. The expected ED_{50} is ≤ 0.01 ng/ml, corresponding to a specific activity of $\geq 1 \times 10^8$ units/mg.

Authenticity

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

Endotoxin

Endotoxin level is <0.1 ng/ μ g of protein (<1 EU/ μ g).

Protein Content

Verified by UV Spectroscopy and/or SDS-PAGE gel.

Storage

-20°C

Precautions

Recombinant Murine Betacellulin is for research use only and not for use in diagnostic or therapeutic procedures.

Recombinant Murine Betacellulin - 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](#)

Recombinant Murine Betacellulin - Images