

Product Datasheet

BTC Protein, Mouse, Recombinant (His) (orb1962155)

Description	Mouse Betacellulin is a single type I membrane protein which belongs to the EGF family of cytokines. EGF family has many members including EGF, TGF- α , Amphiregulin, HB-EGF, Epiregulin, Tomoregulin and the Neuregulins. Betacellulin is characterised by a six-cysteine consensus motif that forms three intra-molecular disulfide bonds crucial for binding the ErbB receptor family. Betacellulin is expressed in several tissues and tumor cells including kidney, uterus, liver, pancreas and small intestine. Betacellulin binds and activates ErbB-1 and ErbB-4 homodimers. Betacellulin is thought to play a role in the differentiation of pancreatic beta cells. Human and mouse mature BTC protein are 80% identical at the amino acid sequence level. Betacellulin is involved in many biological processes such as stimulating gastrointestinal growth. It is proteolytically processed from a larger membrane-anchored precursor and is a potent mitogen for a wide variety of cell types.
Storage	-20°C
Tag	N-6xHis
Note	For research use only
Application notes	Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μ g/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.
Protein Sequence	Asp32-Gln118
Purity	98.00%
MW	16 KDa (reducing condition)
Uniprot ID	Q543J8
Expiration Date	6 months from date of receipt.

Biorbyt Ltd.

7 Signet Court, Swann's Road,
Cambridge, CB5 8LA, United Kingdom
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\) 1223 859-353](tel:+441223859353) | Fax: [+1 \(415\) 651-8558](tel:+14156518558)

Biorbyt LLC.

68 TW Alexander Drive,
Durham, NC, 27713, United States
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+14159065211) | Fax: [+1 \(415\) 651-8558](tel:+14156518558)