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Product datasheet for TP726869

Btc Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse Betacellulin/BTC (N-6His)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Asp32-Gln118
Tag:	N-His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Recombinant Mouse Betacellulin is produced by our E.coli expression system and the target gene encoding Asp32-Gln118 is expressed with a 6His tag at the N-terminus.
Stability:	12 months from date of despatch
Locus ID:	12223
UniProt ID:	Q05928
Summary:	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-a, 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.

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