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Product datasheet for AR50075PU-N

Betacellulin (32-111, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Betacellulin (32-111, His-tag) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MDGNSTRSPE TNGLLCGDPE ENCAATTTQS KRKGHFSRCP KQYKHYCIKG RCRFVVAEQT PSCVCDEGYI GARCERVDLF Y
Tag:	His-tag
Predicted MW:	11.3 kDa (101aa), confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 5 mM DTT, 20% glycerol, 200 mM NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human BTC protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001303892
Locus ID:	685
UniProt ID:	P35070, A0A0S2Z3I5
Cytogenetics:	4q13.3

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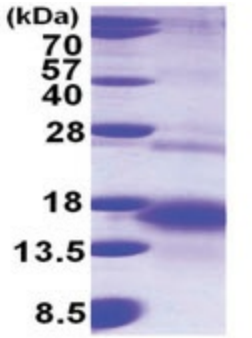
Summary: This gene encodes a member of the epidermal growth factor (EGF) family of proteins. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the secreted growth factor. A secreted form and a membrane-anchored form of this protein bind to multiple different EGF receptors. This protein promotes pancreatic cell proliferation and insulin secretion, as well as retinal vascular permeability. Mutations in this gene may be associated with type 2 diabetes in human patients. [provided by RefSeq, Nov 2015]

Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein, Transmembrane

Protein Pathways: ErbB signaling pathway

Product images:



15% SDS-PAGE (3ug)