

Recombinant Rat Btc Protein, His-tagged

Cat. No. Btc-330R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Btc Protein (Asp32-Gln118) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Asp32-Gln118
Description	Enables epidermal growth factor receptor binding activity and growth factor activity. Involved in several processes, including positive regulation of fibroblast proliferation; positive regulation of mitotic nuclear division; and positive regulation of urine volume. Predicted to be integral component of membrane. Predicted to be active in extracellular space. Biomarker of otitis media. Human ortholog(s) of this gene implicated in type 1 diabetes mellitus and type 2 diabetes mellitus. Orthologous to human BTC (betacellulin).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 13.6 kDa Accurate Molecular Mass: 16 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

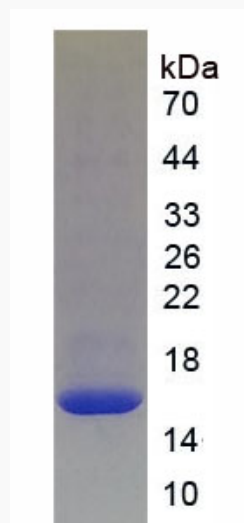
GENE INFORMATION

Gene Name	Btc betacellulin [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Btc
Synonyms	BTC; betacellulin; probetacellulin
Gene ID	64022
mRNA Refseq	NM_022256
Protein Refseq	NP_071592
UniProt ID	Q9JJM4

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