# **Recombinant Betacellulin (bTC) Instruction Manual**

### SIPA072Ra01

#### **Rattus norvegicus (Rat)**

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Extracellular matrix
Predicted Molecular Mass	13.6kDa
Accurate Molecular Mass	16kDa(Analysis of differences refer to the manual)
Residues & Tags	Asp32~Gln118 with N-terminal His Tag
<b>Buffer Formulation</b>	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 90%
Isoelectric Point	8.5
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

#### SEQUENCE

DGNTTRTPE TNGSLCGAPG ENCTGTTPRQ KSKTHFSRCP KQYKHYCIHG RCRFVMDEQT PSCICEKGYF GARCEQVDLF YLQQDRGQ

#### USAGE

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

#### STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at - 80°C for 12 months.

#### 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°C 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.

## Image kDa 70 44 33 26 22 18 14 10

Figure. SDS-PAGE

#### [IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.