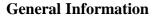
## Rat TBCB Gene cDNA clone plasmid

Catalog Number: RG81649-G



Gene :	tubulin folding cofactor B

Official Symbol :	TBCB
Synonym :	ZH14, Ckap1

Source : Rat

- cDNA Size: 735bp
- RefSeq : NM\_001040180.1
- Plasmid: pGEM-ratTbcb

## Description

Lot : Please refer to the label on the tube

## Sequence Description :

Identical with the Gene Bank Ref. ID sequence except for the point mutation: 717C>T not causing the amino acid variation.

Vector :

pGEM-T

## Shipping carrier :

Each tube contains approximately 10 µg of lyophilized plasmid.

## Storage :

The lyophilized plasmid can be stored at ambient temperature for three months.

#### **Quality control :**

The plasmid is confirmed by full-length sequencing with primers in the sequencing primer list.

#### Sequencing primer list :

RV-M : 5' GAGCGGATAACAATTTCACACAGG 3'

Other M13 primers can also be used as sequencing primers.



## **Plasmid Resuspension protocol**

1.Centrifuge at  $5,000 \times g$  for 5 min.

2.Carefully open the tube and add 100  $\mu l$  of sterile water to dissolve the DNA.

3.Close the tube and incubate for 10 minutes at room temperature. 4.Briefly vortex the tube and then do a quick spin to concentrate the liquid at the bottom. Speed is less than  $5000 \times g$ . 5.Store the plasmid at -20 °C.

## The plasmid is ready for:

- Restriction enzyme digestion
- PCR amplification
- E. coli transformation
- DNA sequencing

# *E.coli* strains for transformation (recommended but not limited)

Most commercially available competent cells are appropriate for the plasmid, e.g. TOP10, DH5 $\alpha$  and TOP10F  $\dot{'}$  .

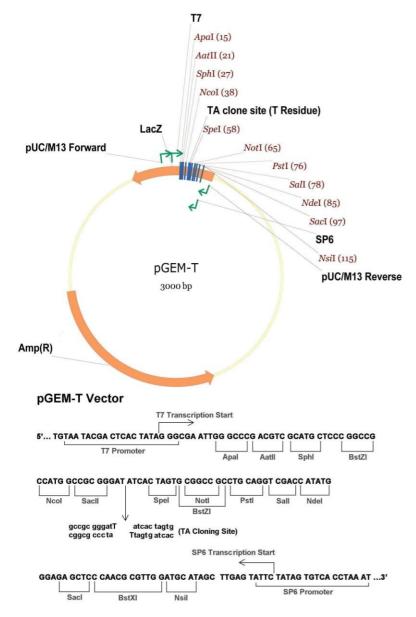
# Rat TBCB Gene cDNA clone plasmid

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## **Vector Information**

The pGEM-T vector is a high-efficiency TA cloning vector which contains multiple cloning sites as shown below. The pGEM-T vector is 3.0kb in size and contains the amplicin resistance gene for selection. The coding sequence was inserted by TA cloning.

## Physical Map of pGEM-T :



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