

# Rhesus ALK-4 / ACVR1B Gene ORF cDNA clone in cloning vector

Catalog Number: CG90066-G



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## General Information

**Gene :** activin A receptor, type IB  
**Official Symbol :** ACVR1B  
**Synonym :** ACVR1B  
**Source :** Rhesus  
**cDNA Size:** 1518bp  
**RefSeq :** XM\_001091363.2  
**Plasmid:** pGEM-cynoACVR1B

## Description

**Lot :** Please refer to the label on the tube

### Sequence Description :

Identical with the Gene Bank Ref. ID sequence except for the point mutations: 174C/T not causing the amino acid variation. Please check the sequence information before order.

### Vector :

pGEM-T

### Quality control :

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

### Sequencing primer list :

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M13-47 : 5' GCCAGGGTTTCCCAGTCACGAC 3'  
RV-M : 5' GAGCGGATAACAATTCACACAGG 3'

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Other M13 primers can also be used as sequencing primers.

### Shipping carrier :

Each tube contains approximately 10 µg of lyophilized plasmid.

### Storage :

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

## Plasmid Resuspension protocol

1. Centrifuge at 5,000×g for 5 min.
2. Carefully open the tube and add 100 µl 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×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, DH5α and TOP10F'.

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For U.S. Customer: Fax: 267-657-0217 Tel: 215-583-7898

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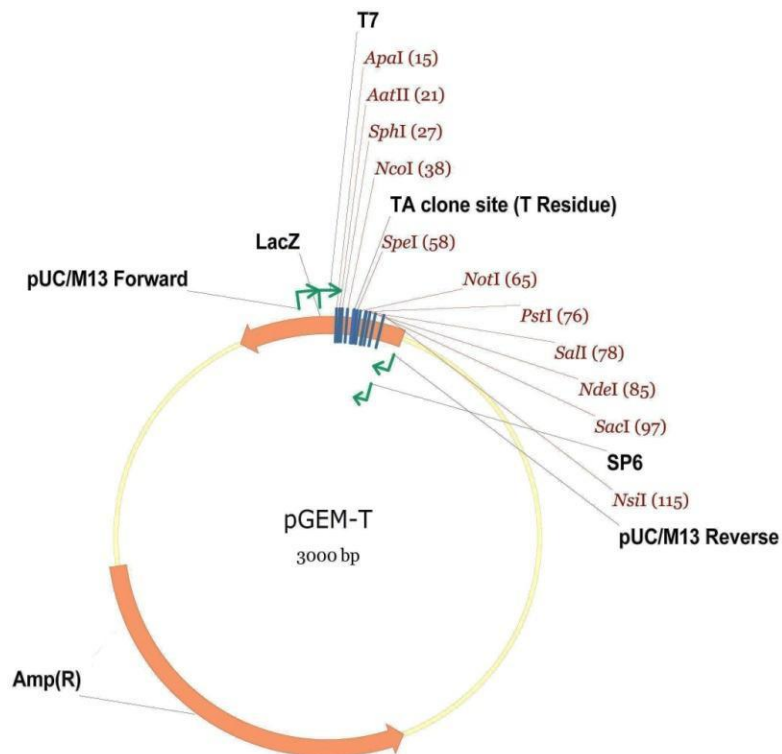
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## Vector Information

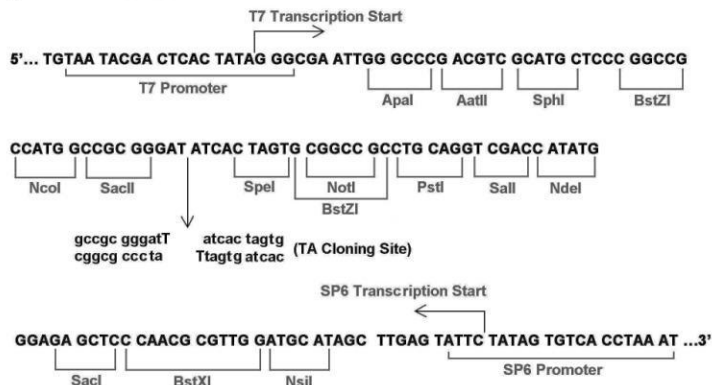
The pGEM-T vector is a high-efficiency TA cloning vector which contains multiple cloning sites as shown below. The pGEM-T vector is 3.0kb in size and contains the ampicillin resistance gene for selection. The coding sequence was inserted by TA cloning.

**Notes:** The direction of cDNA insertion into the TA-cloning vector is random, maybe forward or reverse. For insert orientation information, please feel free to contact us.

## Physical Map of pGEM-T :



## pGEM-T Vector



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