

Rhesus TGFB β 2 ORF mammalian expression plasmid, N-His tag



Sino Biological Inc.
Biological Solution Specialist

Catalog Number: CG90063-NH

General Information

Gene : transforming growth factor, beta receptor II (70/80kDa)
Official Symbol : TGFB β 2
Synonym : TGFB β 2
Source : Rhesus
cDNA Size: 1704bp
RefSeq : XM_001095987.2

Description

Lot : Please refer to the label on the tube

Vector : pCMV3-SP-N-His

Shipping carrier :

Each tube contains approximately 10 μ g 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 :

pCMV3-F:	5' CAGGTGTCCACTCCCAGGTCCAAG 3'
pcDNA3-R :	5' GGCAACTAGAAGGCACAGTCGAGG 3'
Or	
Forward T7 :	5' TAATACGACTCACTATAGGG 3'
ReverseBGH :	5' TAGAAGGCACAGTCGAGG 3'

pCMV3-F and pcDNA3-R are designed by Sino Biological Inc.
Customers can order the primer pair from any oligonucleotide supplier.

Plasmid Resuspension protocol

1. Centrifuge at 5,000 $\times$ g for 5 min.
2. Carefully open the tube and add 100 μ 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 $^{\circ}$ 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 α and TOP10F'.

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Vector Information

All of the pCMV vectors are designed for high-level stable and transient expression in mammalian hosts. High-level stable and non-replicative transient expression can be carried out in most mammalian cells. The vectors contain the following elements:

- Human enhanced cytomegalovirus immediate-early (CMV) promoter for high-level expression in a wide range of mammalian cells.
- Hygromycin resistance gene for selection of mammalian cell lines.
- A Kozak consensus sequence to enhance mammalian expression.