

Human TGF β R2 transcript variant 2 Gene cDNA clone plasmid

Catalog Number: HG10358-M



Sino Biological Inc.
Biological Solution Specialist

General Information

Gene :	transforming growth factor, beta receptor II (70/80kDa), transcript variant 2
Official Symbol :	TGFB2
Synonym :	AAT3, FAA3, MFS2, RIIC, LDS1B, LDS2B, TAAD2, TGFR-2, TGFbeta-RII
Source :	Human
cDNA Size:	1704bp
RefSeq :	NM_003242.5
Plasmid:	pMD-TGFR2

Description

Lot : Please refer to the label on the tube

Sequence Description :

Identical with the Gene Bank Ref. ID sequence.

Vector :

pMD18-T Simple

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 :

M13-47 : 5' GCCAGGGTTTCCAGTCACGAC 3'

RV-M : 5' GAGCGGATAACAATTTACACAGG 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 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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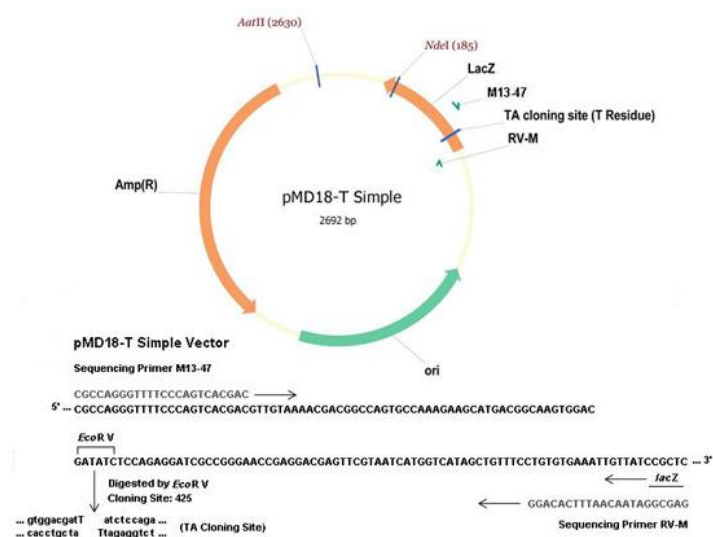
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Vector Information

pMD18-T Simple Vector is a high-efficiency TA cloning vector constructed from pUC18, of which the initial multiple cloning sites (MCS) were destroyed. The pMD18-T Simple Vector is 2.6kb in size and contains the ampicin resistance gene for selection. The coding sequence was inserted by TA cloning at site 425.

Physical Map of pMD18-T Simple (MCS destroyed) :



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