Human ACTG2 Gene cDNA clone plasmid

Catalog Number: **HG10961-M**

Sino Biological Inc.
Biological Solution Specialist

General Information

Gene : actin, gamma 2, smooth muscle, enteric

Official Symbol : **ACTG2**

Synonym : ACT, ACTE, ACTA3, ACTL3, ACTSG

Source : Human

cDNA Size: 1131bp

RefSeq : NM_001615.3

Plasmid: pMD-ACTG2

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:1051 T/G resulting in the amino acid Leu substitution by Val and 390 T/C not causing the amino acid variation.

Vector :

pMD18-T Simple

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 :

M13-47：	5’ GCCAGGGTTTTCCCAGTCACGAC 3’
RV-M：	5’ GAGCGGATAACAATTTCACACAGG 3’

Other M13 primers can also be used as sequencing primers.

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 ℃.

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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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 amplicin resistance gene for selection. The coding sequence was inserted by TA cloning at site 425.

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