

# Human ACTG2 ORF

Catalog Number: HG10961-M



**Sino Biological Inc.**  
Biological Solution Specialist

## General Information

**Gene Bank Ref. ID :** NM\_001615.3

**ORF Size:** 1131

**Gene Name Synonym:**

ACT; ACTE; ACTA3; ACTL3; ACTSG

**Source:** Human

## Description

**ORF Description:**

ORF Clone of Homo sapiens actin, gamma 2, smooth muscle, enteric DNA.

**Vector :**

Commercial available pMD Vector.

**Sequence Description:**

Identical with the Gene Bank Ref. ID sequence except for the point mutation 354A/G not causing the amino acid variation.

## Shipping

5-10µg Plasmid DNA is shipped on Whatman FTA elute card (Cat. No.: WB120410) at room temperature.

It would take 3-5 days for delivery typically. For bulk orders, additional 1-2 weeks would be needed.

## Usage Protocol

1. Remove the marked edge in the center of the spot.
2. Transfer the filter paper to a 1.5ml microfuge tube containing 50-100 µl of sterile H<sub>2</sub>O. Ensure the filter is completely immersed in the H<sub>2</sub>O by briefly centrifuging the tube for 10 seconds.
3. Transfer the tube to a heating block at 95°C for 15–30 min
4. At the end of the incubation period remove the sample from the block and pulse vortex, or gently tap, the sample approximately 60 times
5. Briefly centrifuge for 30 seconds, to separate the matrix from the elute. The elute now contains the purified DNA

## ORF Sequence and Quality Control

**Sequence:**

```
ATG TGTGAAGAGGAGACCACCGCGCTCGTGTGTGACAATGGCTCTGGCCCTG
TGAAGGCAGGCTTCGCAGGAGATGATGCCCCCGGGCTGTCTTCCCCTC
CATTGTGGGCCCGCCCTCGCCACCAGGGTGTGATGGTGGGAATGGGCCAGA
AAGACAGCTATGTGGGGGATGAGGCTCAGAGCAAGCGAGGGATCCTAAGCT
TCAAATACCCCAATTGAACACGGCATCATACCAACTGGGATGACATGGAGAA
GATCTGGCACCCTCTTACAATGAGCTGCGTGTAGCACCTGAAGAGCA
CCCCACCCTGCTCACAGAGGCTCCCCTAAATCCCAGGCCAACAGGGAAAA
GATGACCCAGATCATGTTTGAACCTTCAATGTCCTGCCATGTACGTGCGCC
ATTCAAGCTGTGCTCTCCCTCTATGCTCTGGCCGCACGACAGCATCGTC
CTGGATTGAGGTGATGGCGTCACCCACAATGTCCCCTCTATGAAGGCTAT
GCCCTGCCCATGCCATCATGCGCCTGGACTGGCTGGCCGTGACCTCAC
GGACTACCTCATGAAGATCCTCACAGAGAGAGGCTATTCTTTGTGACCACA
GCTGAGAGAGAAATTGTGCGAGACATCAAGGAGAAGCTGTGCTATGTGGCC
CTGGATTTGAGAATGAGATGGCCACAGCAGCTTCTCTTCCCTCCCTGGAGA
AGAGCTATGAGCTGCCAGATGGGCAGGTTATCACCATTGGCAATGAGCGCT
TCCGCTGCCCTGAGACCTCTTCCAGCCTTCCCTTATTGGCATGGAGTCCG
CTGGAATTCATGAGACAACCTACAATTCCATCATGAAGTGTGACATTGACAT
CCGTAAAGGACTTATATGCCAACAAATGTCCTCTGGGGGCCACCACATGTA
CCCTGGCATTGCTGACAGGATGCAGAAGGAGATCACAGCCCTGGCCCCCA
GCACCATGAAGATCAAGATTATTGCTCCCCCAGAGCGGAAGTACTCAGTCT
GGATCGGGGGCTCTATCCTGGCCTCTCTCTCCACCTCCAGCAGATGTGGA
TCAGCAAGCCTGAGTATGATGAGGCAGGGCCCTCCATTGTCCACAGGAAGT
GCTTCTAA
```

**Quality Control:**

The sequencing result is available upon request.

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