# Human C19orf54 Gene ORF cDNA clone expression plasmid



Catalog Number: HG28517-UT

**General Information** 

**Gene:** chromosome 19 open reading frame 54

Official Symbol: C19orf54

Synonym: C19orf54

Source: Human

cDNA Size: 1056bp (cDNA Size= Gene + linker

+Tags)

**RefSeq:** NM\_198476.3

Plasmid: pCMV3-C19orf54-t1

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: 106C/T not causing the amino acid variation.

**Restriction site:** Kpnl + Xbal(6.1kb+1.06kb)

**Vector:** pCMV3-untagged

**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.

### Shipping carrier:

Each tube contains approximately 10  $\mu g$  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  $\mu$ 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 $\alpha$  and TOP10F  $\dot{}$  .

Manufactured By Sino Biological Inc., FOR RESEARCH USE ONLY. NOT FOR USE IN HUMANS.

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

Non-U.S. Customer: Fax: +86-10-5862-8288 Tel: +86-400-890-9989 <a href="http://www.sinobiological.com">http://www.sinobiological.com</a>

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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.

Vector name pCMV3-untagged

Vector size 6223bp

Vector Type Mammalian Expression Vector

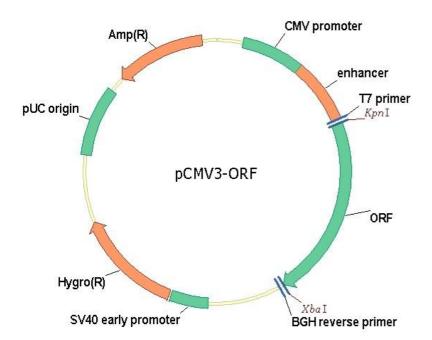
Expression Method Constitutive ,Stable / Transient

Promoter CMV

Bacterial Resistance Ampicillin
Selection In Cells Hygromycin

Protein tag None

#### Physical Map of Plasmid:



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