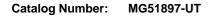
# Mouse ZFP28 natural ORF mammalian expression plasmid



#### **General Information**

Gene :	zinc finger protein 28
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Official Symbol :	ZFP28
Synonym :	mkr-5, Zfp-28, 2810438M17Rik
Source :	Mouse
cDNA Size:	2478bp
RefSeq :	NM_175247.3

### Description

Lot :	Please refer to the label on the tube

Vector : pCMV3-untagged

#### 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.

#### **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  $\mu$ l of sterile water to dissolve the DNA.
- 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  $^\circ\!\mathrm{C}.$

#### 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  $\dot{}$  .

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Catalog Number: MG51897-UT

#### **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 NamepCMV3-untaggedVector Size6223bpVector TypeMammalian Expression VectorExpression MethodConstitutive, Stable / TransientPromoterCMVAntibiotic ResistanceAmpicillinSelection In Mammalian CellsHygromycinProtein TagNone