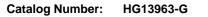
# Human NFATC1 Gene cDNA clone plasmid



# **General Information**

| Gene :            | nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 1 |
|-------------------|---|
| Official Symbol : | NFATC1  |
| Synonym :         | NFAT2, NFATc, NF-ATC  |
| Source :          | Human   |
| cDNA Size:        | 2151bp  |
| RefSeq :          | BC112243  |
| Plasmid:          | pGEM-NFATC1   |

## Description

Lot : Please refer to the label on the tube

### **Sequence Description :**

Identical with the Gene Bank Ref. ID sequence.

Vector :

pGEM-T

#### 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 $\times$ 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 °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  $\dot{}$  .

# Human NFATC1 Gene cDNA clone plasmid

Catalog Number: HG13963-G

# Vector Information

The pGEM-T vector is a high-efficiency TA cloning vector which contains multiple cloning sites as shown below. The pGEM-T vector is 3.0kb in size and contains the amplicin resistance gene for selection. The coding sequence was inserted by TA cloning.

## Physical Map of pGEM-T :

