## Homo sapiens MMGT1 cDNA Clone

Catalog Number: HG13998-G



### **General Information**

Gene: membrane magnesium transporter 1

Official Symbol: MMGT1

Synonym: EMC5, TMEM32, MMGT1

Source: Homo sapiens

cDNA Size: 396

RefSeq: BC033588

**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 the tube for 5~10 min at 4,000 rpm.
- 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 4000 rpm.
- 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. DH5 α, TOP10, JM109.

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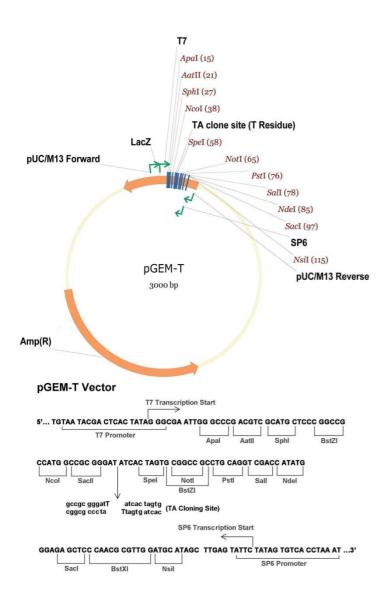
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### **Vector Information**

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:



 Please refer to http://www.sinobiological.com/Vector-pGEM-T-a-1636.html for the vector sequence.