# Homo sapiens SLC2A4 cDNA Clone

Catalog Number: HG13123-G

# **General Information**

Gene :	solute carrier family 2 (facilitated glucose transporter), member 4
Official Symbol :	SLC2A4
Synonym :	GLUT4, SLC2A4
Source :	Homo sapiens
cDNA Size:	1530
RefSeq :	NM_001042.2
Description	

### Description

Lot : Please refer to the label on the tube

#### **Sequence Description :**

Identical with the Gene Bank Ref. ID sequence except for the point mutation 390 T/C, not causing the amino acid variation.

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  $\mu l$  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 4000 rpm. 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. DH5  $\alpha,$  TOP10, JM109.

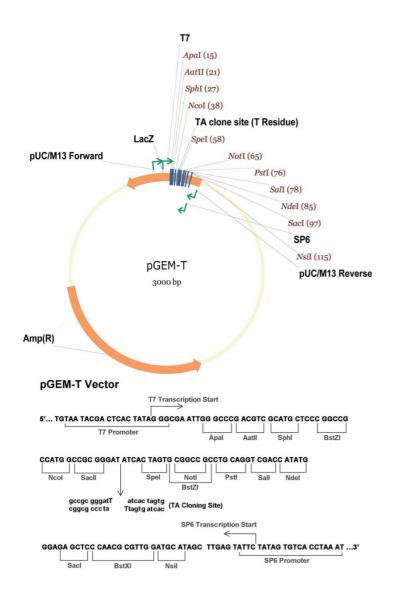
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## Vector Information

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.

