# Homo sapiens DIO1 cDNA Clone

Catalog Number: HG15822-G

## **General Information**

Gene : deiodinase, iodothyronine, type I

Official Symbol :	: DIO1	
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Synonym : 5DI, TXDI1

- Source : Homo sapiens
- cDNA Size: 750
- **RefSeq:** BC107170

## 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  $\mu$ 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 °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.

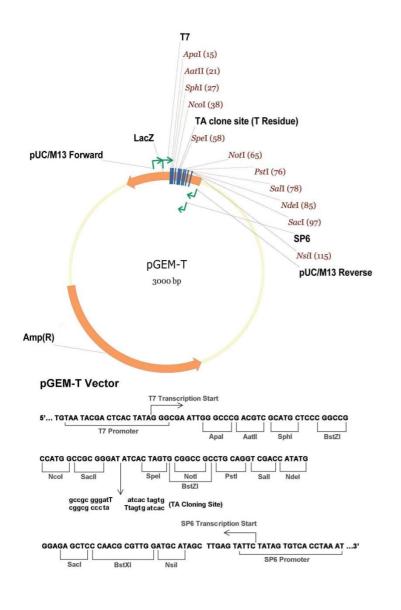
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## Vector Information

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.

