

## General Information

### Gene Name:

glyceraldehyde-3-phosphate dehydrogenase

**Official Symbol:** Gapdh

**Organism:** Mus musculus

**RefSeq:** NM\_008084

## Description

### Sequence Description:

Identical with the Gene Bank Ref. ID sequence.

**Vector:** pUC18c

### Restriction Sites:

### Shipping carrier:

Each tube contains approximately 5 µg - 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 fwd:**GTAAAACGACGGCCAGT

**M13 rev:**CAGGAAACAGCTATGAC

## Plasmid Resuspension protocol

1. Centrifuge at 5,000×g for 5 min.
2. Carefully open the tube and add 20 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 5000×g.
5. Store the plasmid at -20 °C.

### The plasmid is ready for:

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, DH5α and TOP10F'.

## Vector Information

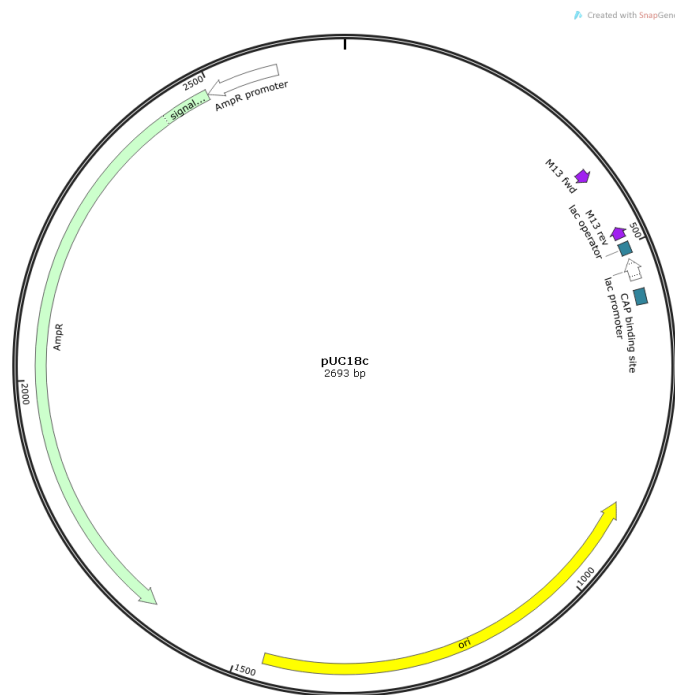
pMD18-T Vector is a high-efficiency TA cloning vector constructed from pUC18, of which the initial multiple cloning sites (MCS) were destroyed. Thus the cDNA should be amplified by PCR with primers containing a restriction site for subclone. Competent cells appropriate for pUC18 are also appropriated for this Vector, e.g. JM109, DH5α, TOP10. The pMD18-T Simple Vector is 2.6kb in size. Selection of the plasmid in E. coli is conferred by the ampicillin resistance gene. The coding sequence was inserted by TA cloning at site 425.

### Physical Map of pUC18c:

# Mouse Gapdh (NM\_008084) cDNA/ORF clone



Catalog Number: 709814-3



Vector Name	pUC18c
Vector Size	2693 bp
Vector Type	Cloning Vector
Expression Method	-
Promoter	lac
Antibiotic Resistance	Ampicillin
Selection In Mammalian Cells	-
Protein Tag	None