Mouse DNase1 / Deoxyribonuclease I / DNL1 Gene ORF cDNA clone in cloning vector

Catalog Number: **MG53486-U**

Sino Biological
Biological Solution Specialist

General Information

Gene : deoxyribonuclease I

Official Symbol : **DNASE1**

Synonym : AI788650; DNaseI; Dnl1

Source : Mouse

cDNA Size: 855bp

RefSeq : NM_010061.5

Plasmid: CpUC19-mDNASE1

Description

Lot : Please refer to the label on the tube

Sequence Description :

Identical with the Gene Bank Ref. ID sequence except for the point mutations: 691T/C(C231R)

Vector :

pUC19

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.

Shipping carrier :

Each tube contains approximately 10 μg of lyophilized plasmid.

Storage :

The lyophilized plasmid can be stored at ambient temperature for three months.

Plasmid Resuspension protocol

1. Centrifuge at 5,000×g for 5 min.

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 5000×g.

5. Store the plasmid at -20 ℃.

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, DH5α and TOP10F´.

Mouse DNase1 / Deoxyribonuclease I / DNL1 Gene ORF cDNA clone in cloning vector

Catalog Number: **MG53486-U**

Sino Biological
Biological Solution Specialist

Vector Information

pUC19 is a small, high-copy number E. coli plasmid cloning vector, of which multiple cloning sites as shown below. The molecule is a small double-stranded circle, 2686 base pairs in length. pUC19 encodes the N-terminal fragment of b-galactosidase (lacZa), which allows for blue/white colony screening (i.e., a-complementation), as well as a pUC origin of replication.

Physical Map of pUC19-ORF: