

Human MMP16 Gene cDNA clone plasmid



Sino Biological Inc.

Biological Solution Specialist

Catalog Number: HG11653-M

General Information

Gene :	matrix metalloproteinase 16 (membrane-inserted).
Official Symbol :	MMP16
Synonym :	MMP-X2, C8orf57, MT-MMP2, MT-MMP3, MT3-MMP, DKFZp761D112, MMP16
Source :	Human
cDNA Size:	1824bp
RefSeq :	NM_005941.4
Plasmid:	pMD-MMP16

Description

Lot : Please refer to the label on the tube

Sequence Description :

Identical with the Gene Bank Ref. ID sequence except for ten point mutations: 70 C/T resulting in the amino acid Ala substitution by Val, 509 T/C resulting in the amino acid Val substitution by Ala, 584 A/G resulting in the amino acid Asp substitution by Gly, 917 T/C resulting in the amino acid Val substitution by Ala, 1163 T/A resulting in the amino acid Leu substitution by stop, 1228 A/G resulting in the amino acid Lys substitution by Glu, 1337 A/G resulting in the amino acid Glu substitution by Gly, 960 T/C, 1545 C/T and 1551 A/G not causing the amino acid variation.

Vector :

pMD18-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' GCCAGGGTTTCCCAGTCACGAC 3'

RV-M : 5' GAGCGGATAACAATTTCACACAGG 3'

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 °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. TOP10, DH5α and TOP10F'.

Other M13 primers can also be used as sequencing primers.

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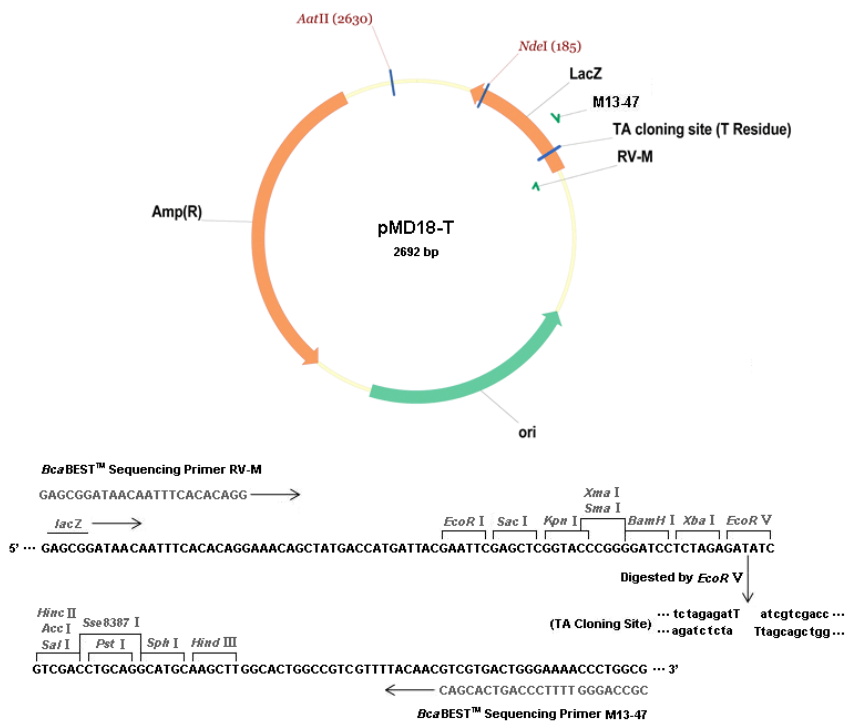
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Vector Information

pMD18-T Vector is a high-efficiency TA cloning vector constructed from pUC18, of which multiple cloning sites as shown below. The pMD18-T Vector is 2.6kb in size and contains the ampicillin resistance gene for selection. The coding sequence was inserted by TA cloning at site 425.

Physical Map of pMD18 (MCS destroyed) :



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