基本信息

原核抗性:	Amp
平台编号:	bio-109262
克隆菌株:	DH5a
培养条件:	37 度

质粒属性

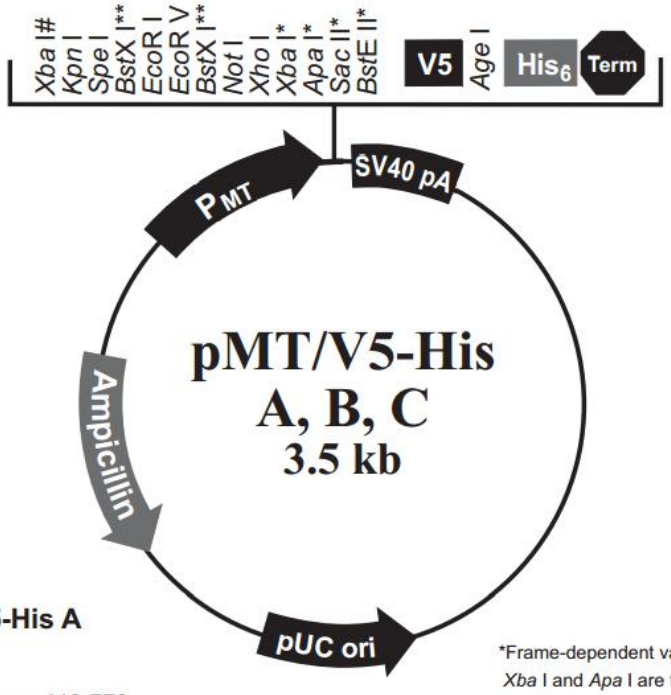
质粒宿主：	昆虫细胞
质粒用途：	蛋白表达
片段类型：	
片段物种：	
原核抗性：	Amp
真核抗性：	
荧光标记：	

功能简介

质粒简介

pMT/V5-His is a 3.5 kb expression vector designed for use with the Drosophila Inducible Expression System. Upon transfection, the vector allows transient, inducible expression of your protein of interest in Drosophila cells. When cotransfected with the selection vectors, pCoHygro or pCoBlast, included with the appropriate DES® Inducible Kit, pMT/V5-His allows selection of stable cell lines exhibiting inducible expression of the protein of interest.

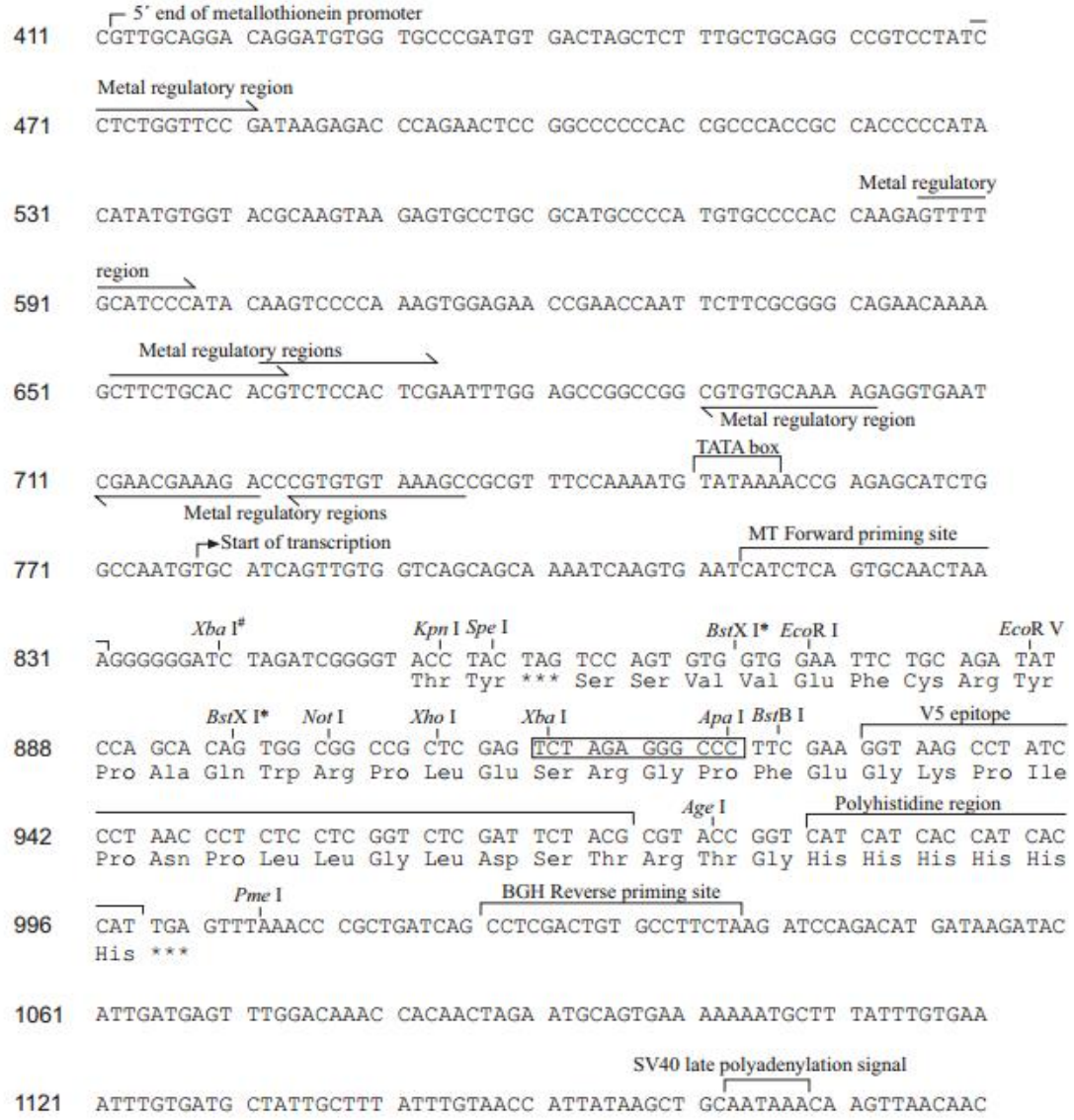
质粒图谱



Comments for pMT/V5-His A
3538 nucleotides

Metallothionein promoter: bases 412-778
Start of transcription: base 778
MT Forward priming site: bases 814-831
Multiple cloning site: bases 854-923
V5 epitope tag: bases 930-971
Polyhistidine region: bases 981-1001
BGH Reverse priming site: bases 1021-1038
SV40 late polyadenylation signal: bases 1163-1168
pUC origin: bases 1601-2334 (complementary strand)
bla promoter: bases 3340-3438 (complementary strand)
Ampicillin (*bla*) resistance gene ORF: bases 2479-3339 (complementary strand)

*Frame-dependent variations
Xba I and *Apa* I are found only in versions A and B.
Sac II is found only in version B.
*Bst*E II is found only in version C.
#This *Xba* I site is *dam* methylated.
**There are two *Bst*X I sites in the polylinker.



This *Xba* I site is *dam* methylated in certain strains of *E. coli*.

* Note that there are two *Bst*X I sites in the polylinker.

质粒序列

```
LOCUS       Exported                3538 bp ds-DNA     circular SYN
26-NOV-2017
DEFINITION  synthetic circular DNA
SOURCE      synthetic DNA construct
  ORGANISM  synthetic DNA construct
REFERENCE   1  (bases 1 to 3538)
  TITLE     Direct Submission
FEATURES             Location/Qualifiers
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                     LIKHW"
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tcagcgggtg
      121 ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta
ctgagagtgc
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      241 attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc
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     1021 cctcgactgt gccttctaag atccagacat gataagatac attgatgagt
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1261 tggtatggct gattatgatc agtcgacctg caggcatgca agcttggcgt aatcatggtc

1321 atagctgttt cctgtgtgaa attgttatcc gctcacaatt ccacacaaca tacgagccgg

1381 aagcataaag tgtaaagcct ggggtgccta atgagtgagc taactcacat taattgcgtt

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2101 gtatgtaggc ggtgctacag agttcttgaa gtggtggcct aactacggct acactagaag

2161 gacagtattt ggtatctgcg ctctgctgaa gccagttacc ttcggaaaaa gagttggtag

2221 ctcttgatcc ggcaaacaaa ccaccgctgg tagcggtggt ttttttgttt gcaagcagca

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