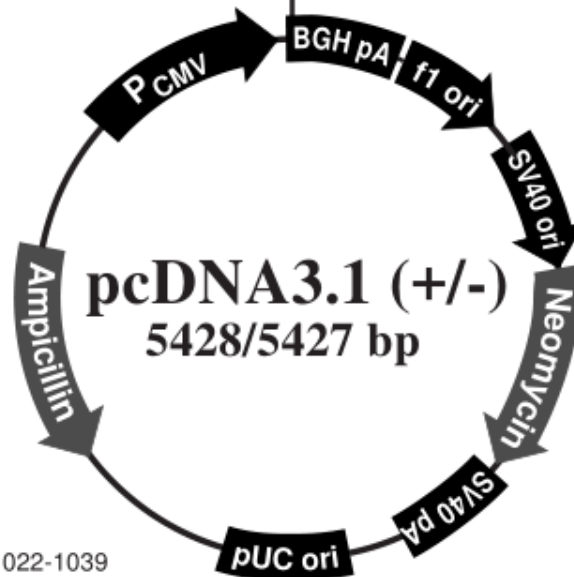
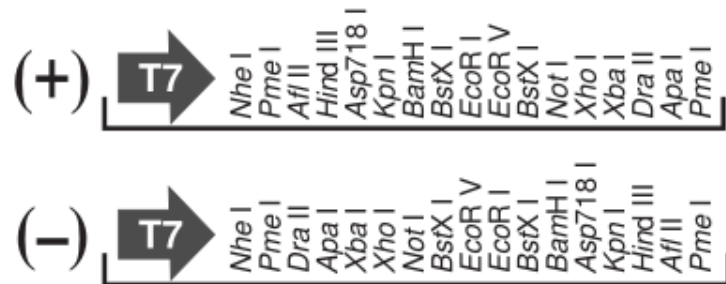


## pcDNA3.1(-)产品说明书

### 产品信息

产品货号	载体名称	出品公司	质粒用途	原核抗性
HG-VPI0007	pcDNA3.1(-)	Invitrogen	哺乳动物表达载体	Amp <sup>+</sup>

### 质粒图谱



#### Comments for pcDNA3.1 (+) 5428 nucleotides

CMV promoter: bases 232-819  
 T7 promoter/priming site: bases 863-882  
 Multiple cloning site: bases 895-1010  
 pcDNA3.1/BGH reverse priming site: bases 1022-1039  
 BGH polyadenylation sequence: bases 1028-1252  
 f1 origin: bases 1298-1726  
 SV40 early promoter and origin: bases 1731-2074  
 Neomycin resistance gene (ORF): bases 2136-2930  
 SV40 early polyadenylation signal: bases 3104-3234  
 pUC origin: bases 3617-4287 (complementary strand)  
 Ampicillin resistance gene (*bla*): bases 4432-5428 (complementary strand)  
 ORF: bases 4432-5292 (complementary strand)  
 Ribosome binding site: bases 5300-5304 (complementary strand)  
*bla* promoter (P3): bases 5327-5333 (complementary strand)

### Propagation in *E. coli*

- (1) 克隆菌株: DH5 $\alpha$ 、TOP10、XL1-Blue 等均可。
- (2) 原核抗性: Amp<sup>+</sup>, 工作浓度建议为 100ug/ml。
- (3) 培养温度: 37°C。
- (4) 质粒拷贝数 (Copy number): 高。