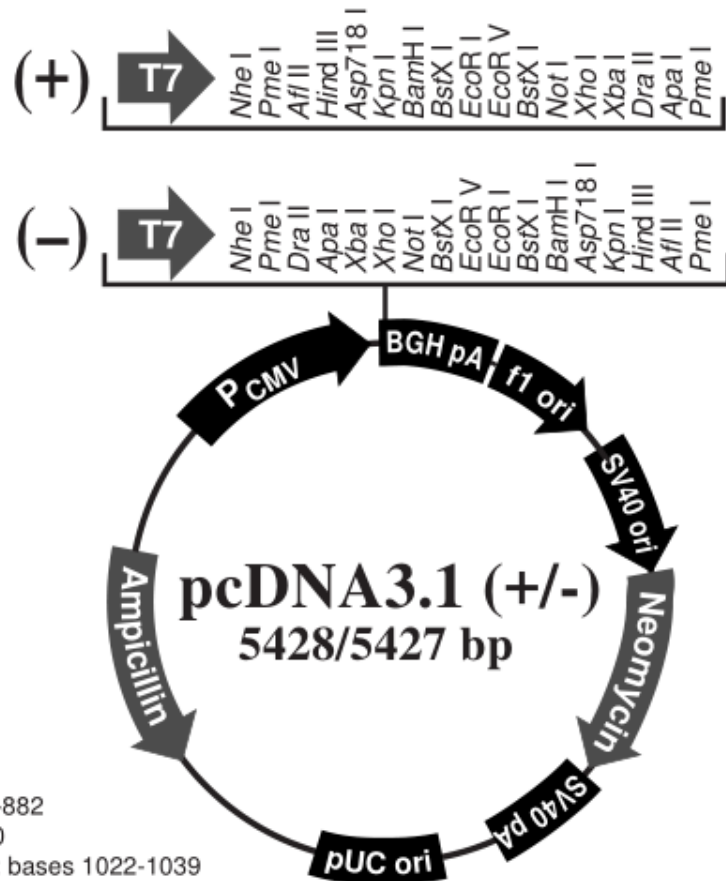


pcDNA3.1(+)-产品说明书

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-VPI0001	pcDNA3.1(+)	Invitrogen	哺乳动物表达载体	Amp ⁺

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 α 、TOP10、XL1-Blue 等均可。
- (2) 原核抗性: Amp⁺, 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。