

pJOE8999 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-VCH1431	pJOE8999	HonorGene	CRISPR/Cas 系统	Kan+
备注	pJOE8999 为温度敏感质粒，培养温度需 30℃。			

质粒图谱

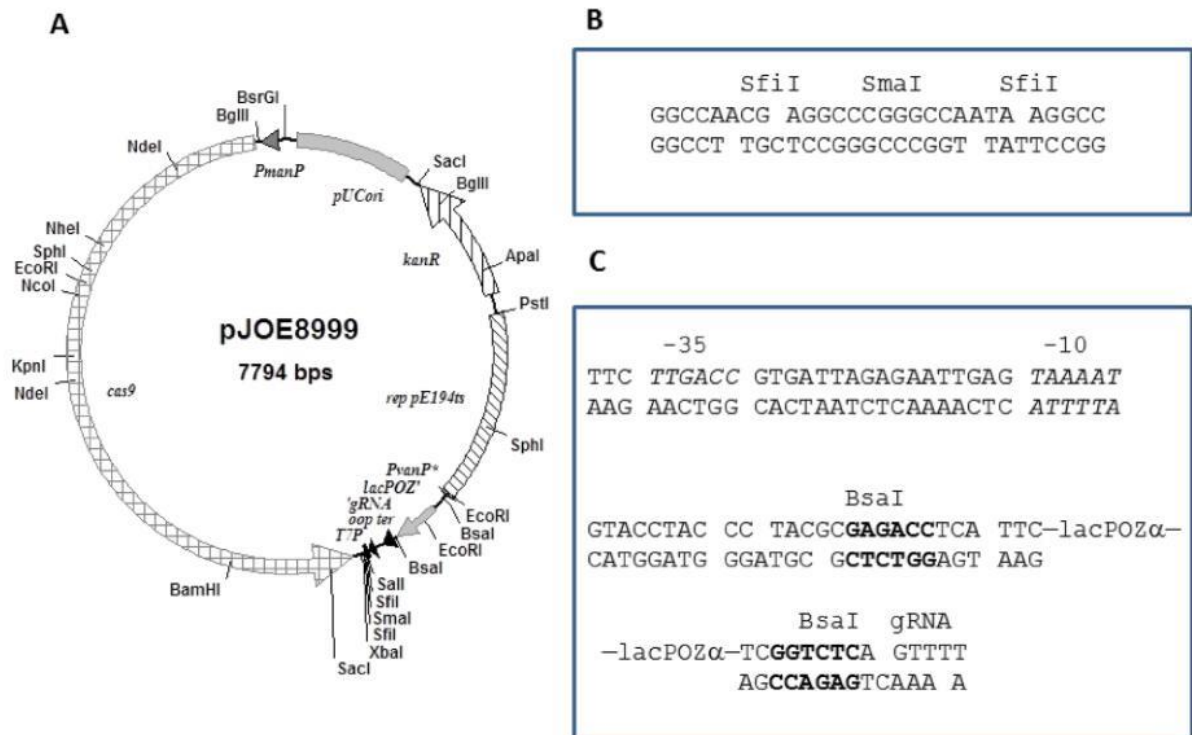


FIG 1 CRISPR-Cas9 vector pJOE8999. (A) Physical map of vector pJOE8999 containing the pUC18 minimal origin, the temperature-sensitive replication origin from pE194^{ts}, a kanamycin resistance gene (*kanR*), *cas9* under the control of the *P_{manP}* promoter, the sgRNA transcribed from the semisynthetic promoter *P_{vanP*}* interrupted by the *lacZ* α fragment (*lacPOZ'*), the λ *oop* terminator, and the T7 promoter (T7P). (B) Cloning sites in the vector pJOE8999. (C) Promoter sequence (*P_{vanP*}*) upstream of the sgRNA with the -35 and -10 sequences and the BsaI restriction sites (bold) for insertion of the spacer sequence.

Propagation in *E. coli*

- (1) 克隆菌株：DH5 α 、TOP10、XL1-Blue 等均可。
- (2) 原核抗性：Kan⁺，建议工作浓度为 25ug/ml。
- (3) 培养温度：pJOE8999 为温度敏感质粒，培养温度需 30℃。