



基本信息

复制子:	PBR322 ori
平台编号:	bio-82307
质粒分类:	大肠杆菌载体; 克隆质粒
质粒大小:	4361bp
原核抗性:	氨苄青霉素 Amp, 四环素 Tet
克隆菌株:	DH5 α
培养条件:	37°C, 有氧, LB
5'测序引物:	根据序列设计
3'测序引物:	根据序列设计
备注:	应用很广的基因克隆质粒

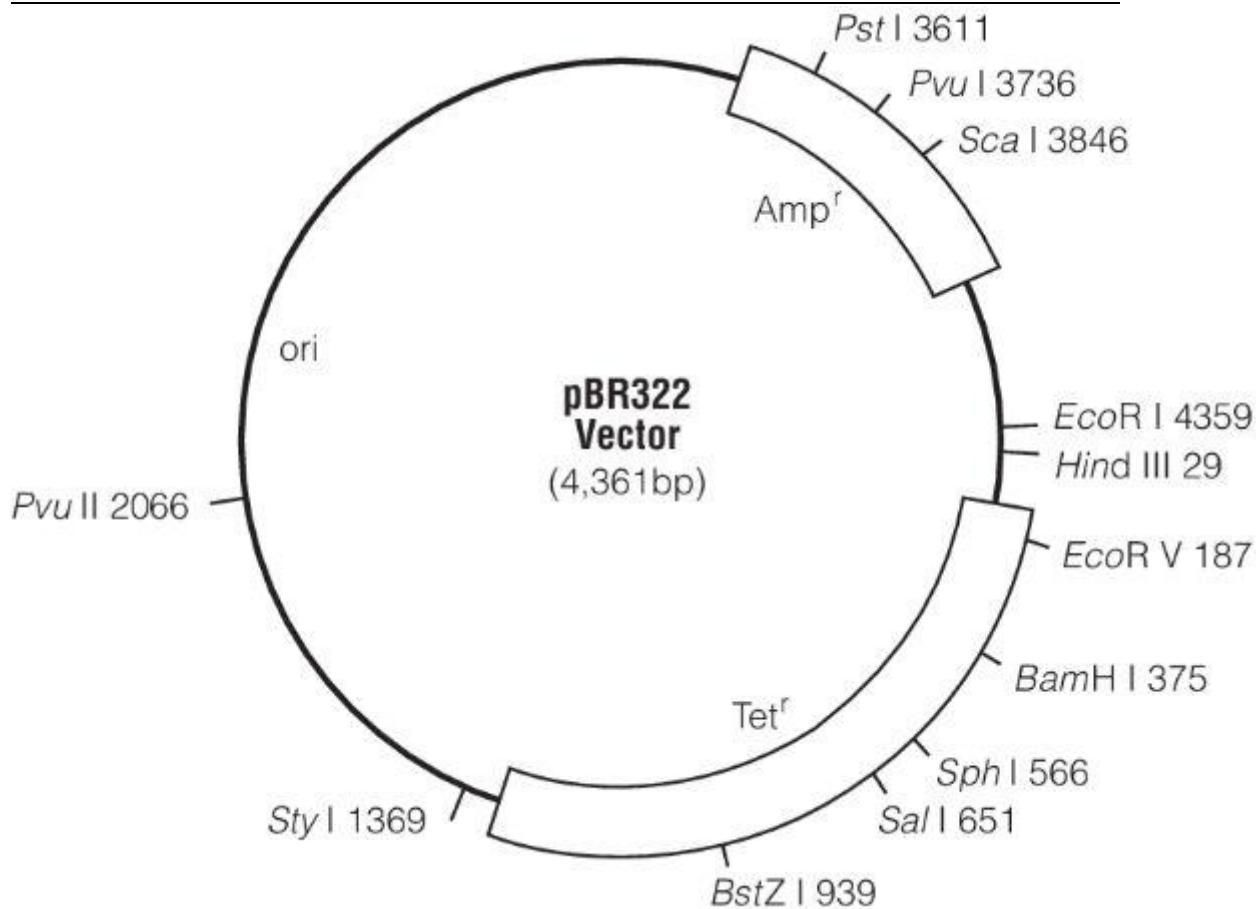
质粒简介

质粒载体 pBR322 是研究得最多, 使用最早且应用最广泛的大肠杆菌质粒载体之一。符号质粒载体 pBR322 中的“p”代表质粒; “BR”代表两位两位研究者 Bolivar 和 Rogigerus 姓氏的字首, “322”是实验编号。

质粒载体 pBR322 的大小为 4361bp, 相对分子质量较小的是它第一个优点。优点之二是它带有一个复制起始位点, 保证了该质粒只在大肠杆菌的细胞中行使复制的功能。具有两种抗生素抗性基因, 可供转化子的选择标记是它的第三个优点。

质粒载体 pBR322 的第四个优点是具有较高的拷贝数, 经过氯霉素扩增以后, 每个细胞中可累积 1000-3000 份拷贝, 该特性为重组体 DNA 的制备提供了极大的方便。

质粒图谱



质粒序列

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ACCESSION  .
VERSION    .
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  ORGANISM  synthetic DNA construct
REFERENCE  1 (bases 1 to 4361)
  AUTHORS   admin
  TITLE     Direct Submission
  JOURNAL   Exported 2015-9-22 from
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