

## pUB110 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-VKH1456	pUB110	HonorGene	枯草芽孢杆菌表达载体	Kan+

### 质粒图谱

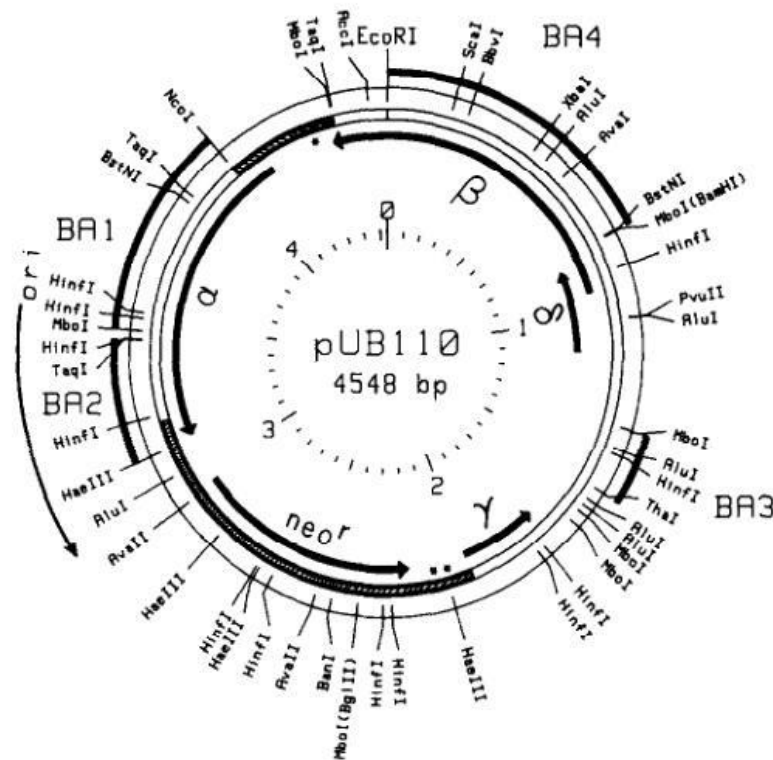


FIG. 1. A membrane binding map of restriction fragments of pUB110. The thick arcs outside of the map show the length of DNA fragments that can bind to membrane, termed binding areas (BA1 to BA4). Detailed descriptions of these binding areas have been described previously (Tanaka and Sueoka, 1983). The shaded arc with an asterisk indicates the area that has been sequenced by J. Hahn and D. Dubnau (personal communication). The shaded arc of *neo<sup>r</sup>* area with two asterisks has been sequenced by Matsumura *et al.* (1984). Thick solid arrows inside the map represent five open reading frames; four of them, ORF  $\alpha$ , ORF  $\beta$ , ORF  $\gamma$ , and ORF  $\delta$ , have been recognized by this work and the one (\*\*) for *neo<sup>r</sup>* (or *Km<sup>r</sup>*) has been reported by Matsumura *et al.* (1984). The origin, and direction of replication reported by Scheer-Abramowitz *et al.* (1980) is described by the arrow outside of the map itself (*ori*). *neo<sup>r</sup>* stands for the neomycin resistance gene.

### Propagation in *E. coli*

- (1) 克隆菌株：pUB110 需要在枯草芽孢杆菌中扩增和复制。
- (2) 原核抗性：Kan<sup>+</sup>，工作浓度建议为 25ug/ml。
- (3) 培养温度：37°C。
- (4) 拷贝数 (Copy number)：极低。pUB110 质粒拷贝数非常低，常规小提很难提到质粒，建议用大提试剂盒提取质粒。