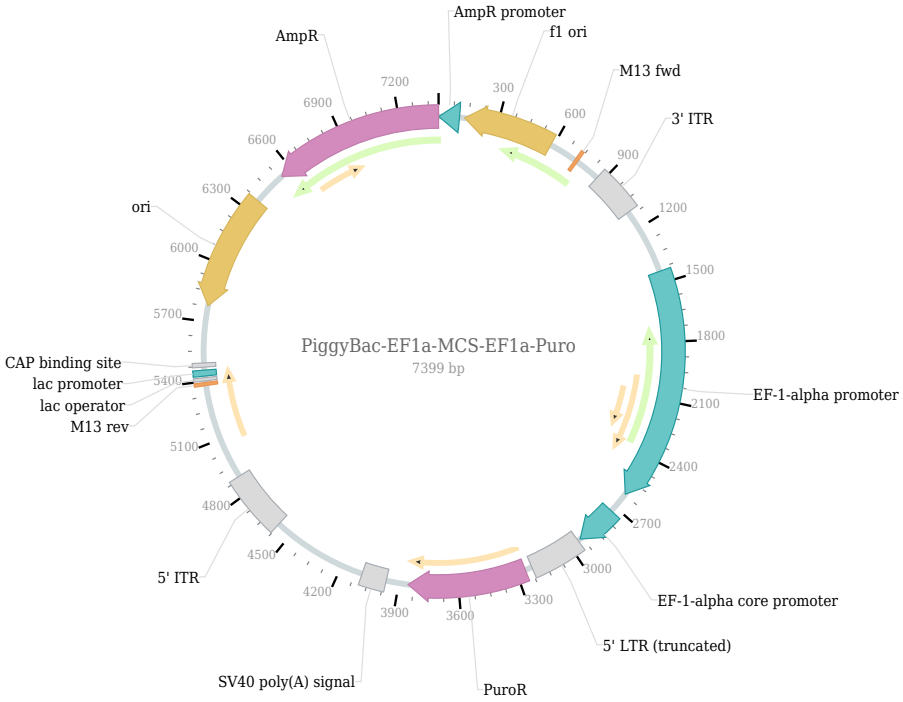
PiggyBac-EF1a-MCS-EF1a-Puro

载体编号 Vector ID	V014710
抗性 Antibiotic Resistance	Ampicillin
长度 Length	7399 bp
载体类型 Vector Type	Protein expression, Transposition
宿主 Host	Mammalian cells

产品信息

复制子 Replication Origin	ori
筛选标记 Selection Marker	Puro
启动子 Promoter	EF-1α
培养温度 Growth Temperature	37℃
备注 Comment	Core Function: A mammalian expression plasmid designed for stable genomic integration of target genes using the PiggyBac transposon system. Key Components: 1. Promoter: Uses the EF-1α (Elongation Factor 1-alpha) promoter for constitutive, medium-to-high expression in most mammalian cell types 2. Selection Marker: Puromycin resistance gene (PuroR) under the SV40 poly(A) signal, enabling antibiotic selection of stably integrated cells 3. Backbone: Includes an Ampicillin resistance gene (AmpR) and pUC origin for bacterial propagation

质粒图谱



复溶方法

1. Centrifuge at 5,000×g for 5 min.
2. Carefully open the tube and add sterile water to dissolve the DNA: add 20 µl for 5 µg plasmid, and 100 µl for 100 µg plasmid.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin to concentrate the liquid at the bottom. Speed is less than 5000×g.
5. Store the plasmid at -20 ℃.