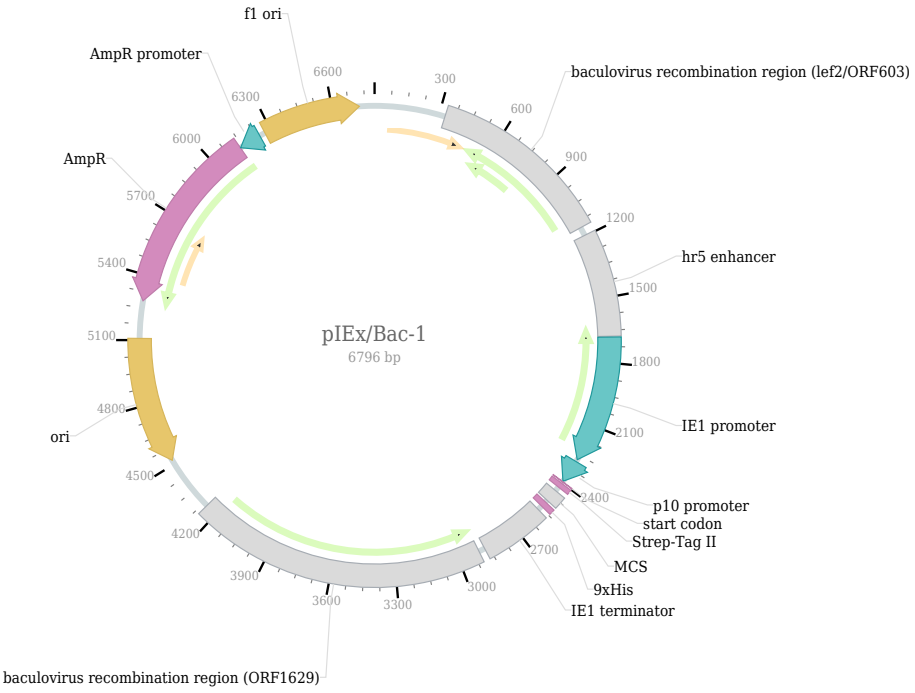
pIEx/Bac-1

载体编号 Vector ID	V011638
抗性 Antibiotic Resistance	Ampicillin
长度 Length	6796 bp
载体类型 Vector Type	Insect Cell Vectors

产品信息

复制子 Replication Origin	ori
来源 Source/Author	Novagen (EMD Millipore)
拷贝数 Copy Number	High copy number
启动子 Promoter	IE1
克隆方法 Cloning Method	Enzyme digestion and ligation
融合标签 Fusion Tag	C-His,N-Strep
培养菌株 Growth Strain(s)	DH10B
备注 Comment	The dual-purpose pIEx/Bac vectors are designed for cloning and high-level expression of proteins by transiently transfecting Spodoptera-derived insect cells or by generating baculovirus recombinants. Transient transfection and early baculovirus expression is driven by a promoter/enhancer combination that recruits endogenous insect cell transcription machinery, the AcNPV derived hr5 enhancer and ie1 promoter. Late/very late expression in the baculovirus mode is driven by the strong p10 promoter. The pIEx/Bac-1 vector carries an N-terminal Strep•Tag II coding sequence (1) followed by a recognition site for enterokinase.The multiple cloning region is followed by an optional C-terminal His•Tag coding sequence. The presence of two 'gentle elution' tags at both the N- and C-terminus is ideal for dual purification strategies designed to isolate full-length fusion proteins (2). Unique restriction sites are shown on the circle map.

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 ℃.