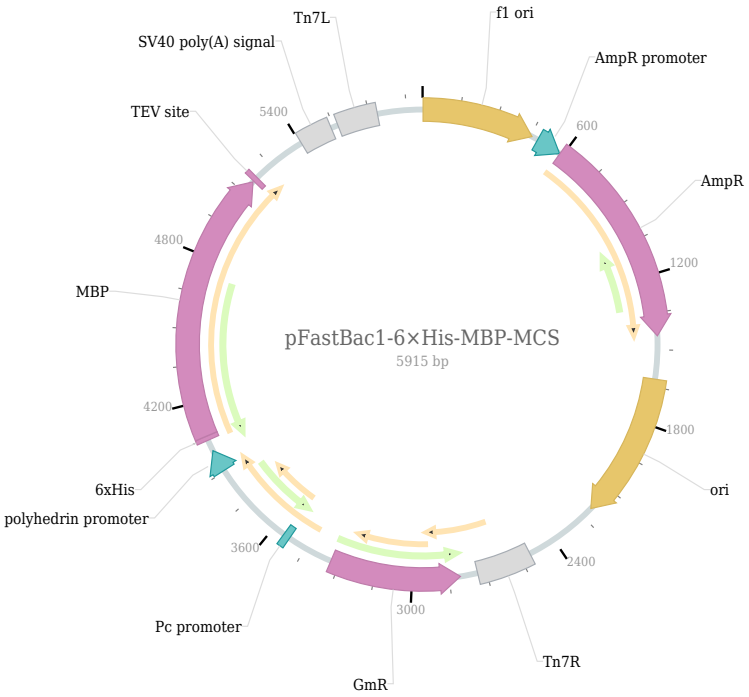
pFastBac1-6×His-MBP-MCS

载体编号 Vector ID	V013944
抗性 Antibiotic Resistance	Ampicillin, Gentamicin
长度 Length	5915 bp
载体类型 Vector Type	Protein expression
宿主 Host	Insect cells

产品信息

复制子 Replication Origin	ori
启动子 Promoter	polyhedrin
培养菌株 Growth Strain(s)	DH10B
培养温度 Growth Temperature	37℃
备注 Comment	The pFastBac1-6×His-MBP-MCS vector enables high-level expression of recombinant proteins in insect cells using the baculovirus expression system. Its key features include: Expression: Utilizes the strong polyhedrin promoter for high protein yields Solubility Enhancement: An MBP (Maltose Binding Protein) tag significantly improves solubility and stability of difficult-to-express proteins. Purification & Detection: Contains a 6×His tag for simple, one-step IMAC purification (e.g., Ni-NTA). The MBP tag allows additional amylose affinity purification and aids detection.

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 ℃.