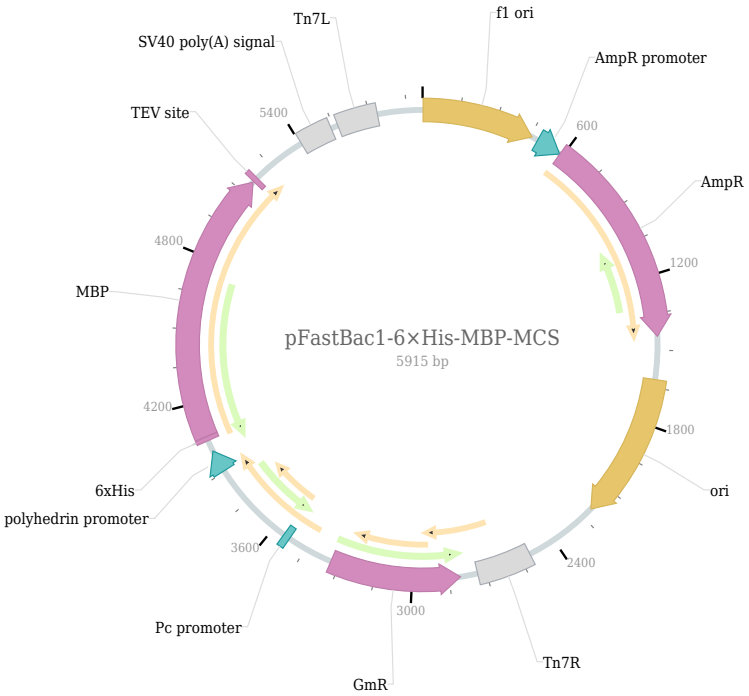
pFastBac1-6×His-MBP-MCS

Vector ID	V013944
Antibiotic Resistance	Ampicillin, Gentamicin
Length	5915 bp
Vector Type	Protein expression
Host	Insect cells

Product Information

Replication Origin	ori
Promoter	polyhedrin
Growth Strain(s)	DH10B
Growth Temperature	37℃
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.

Vector Map



Plasmid Resuspension Protocol

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 ℃.