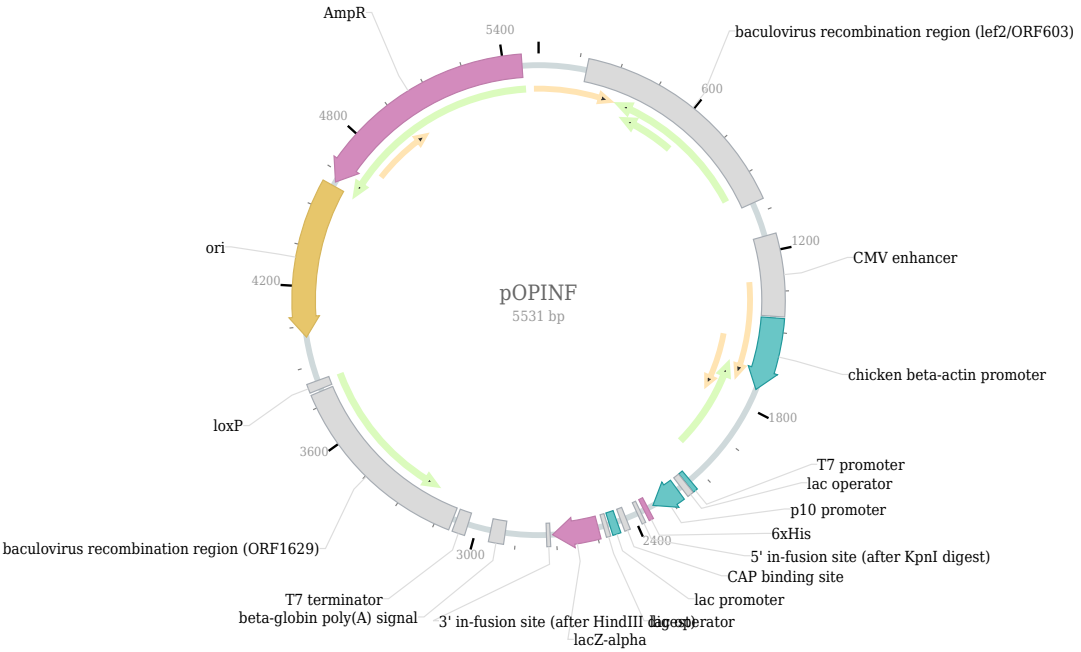
pOPINF

Vector ID	V004230
Antibiotic Resistance	Ampicillin
Length	5531 bp
Vector Type	Expression vector

Product Information

Replication Origin	ori
Source/Author	Berrow NS, Alderton D, Sainsbury S, Nettleship J, Assenberg R, Rahman N, Stuart DI, Owens RJ.
Copy Number	High copy number
Promoter	chicken β-actin
Cloning Method	Restriction Enzyme
Growth Strain(s)	Top10
Growth Temperature	37℃
Comment	pOPINF is a 5531 bp baculovirus transfer vector. It features the chicken beta-actin promoter for strong gene expression in insect cells and contains the 6xHis tag for protein purification. The vector is engineered for site-specific recombination into the baculovirus genome via the attR/L sites and a helper plasmid. It also includes an f1 ori for single-stranded DNA production and an AmpR/ori cassette for bacterial propagation.

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 ℃.