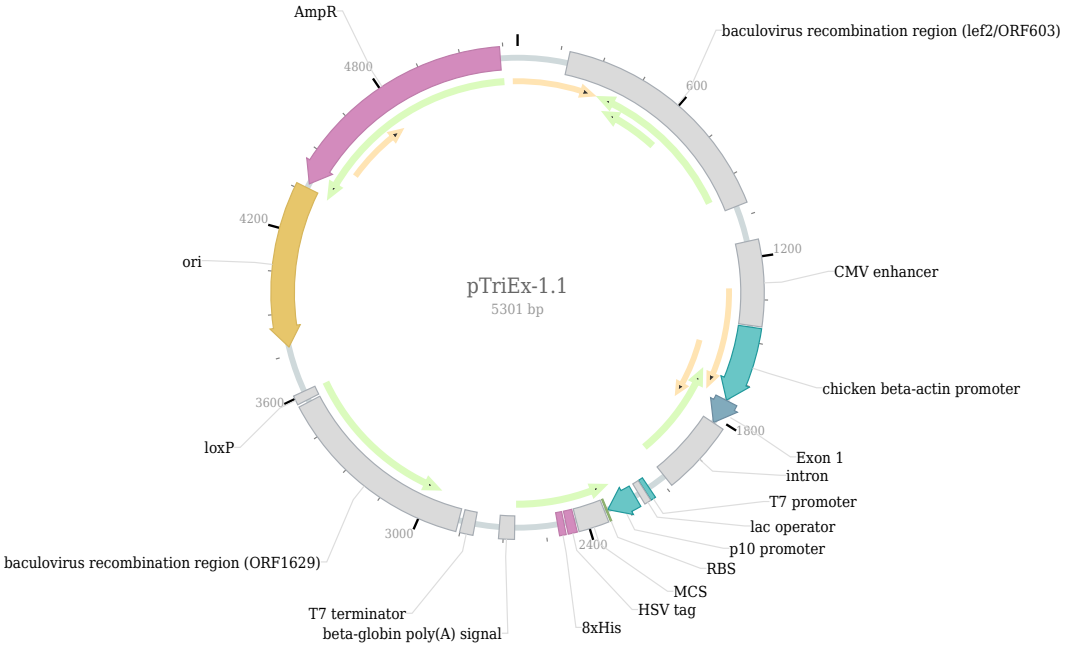
pTriEx-1.1

Vector ID	V011589
Antibiotic Resistance	Ampicillin
Length	5301 bp
Vector Type	Insect Cell Vectors

Product Information

Replication Origin	ori
Source/Author	Novagen (EMD Millipore)
Copy Number	High copy number
Promoter	chicken β-actin
Growth Strain(s)	Top10
Comment	pTriEx-1.1 is a 5301 bp baculovirus expression vector. It is designed for high-level protein expression in insect cells, featuring the strong chicken beta-actin promoter along with a T7 promoter for versatile cloning. The multiple cloning site (MCS) allows for flexible gene insertion, with options for N-terminal 8xHis or HSV tags. It includes an AmpR/ori cassette for bacterial propagation and baculovirus recombination regions (lef2/ORF603, ORF1629) for viral genome integration.

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 ℃.