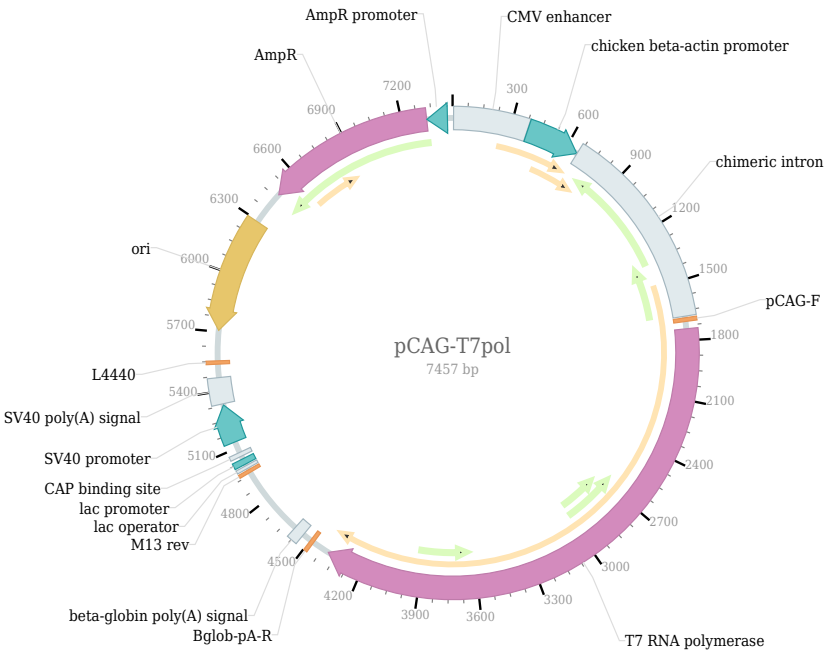
pCAG-T7pol

Vector ID	V001259
Antibiotic Resistance	Ampicillin
Length	7457 bp
Vector Type	Mammalian Expression

Product Information

Replication Origin	ori
Source/Author	Ian Wickersham Lab
Copy Number	High Copy
Promoter	CAG
5' Primer	CTCTAGAGCCTCTGCTAACc
3' Primer	CAGAAGTCAGATGCTCAAG
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pCAG-T7pol is an eukaryotic expression vector capable of expressing T7 RNA polymerase within host cells. This enzyme drives the transcription of viral cDNA into viral RNA, providing crucial support for the rescue of recombinant Hazaranero virus.

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 ℃.