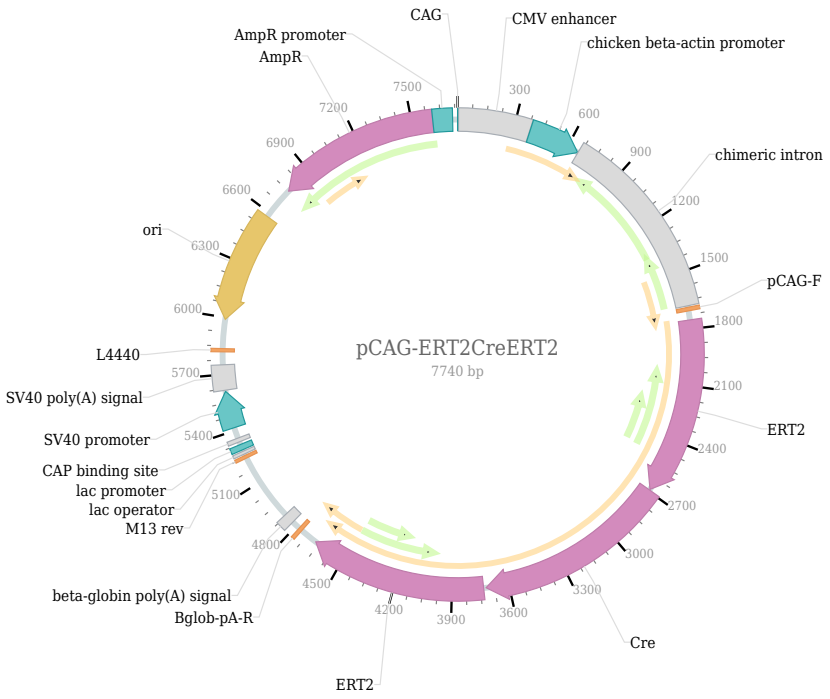
pCAG-ERT2CreERT2

Vector ID	V011873
Antibiotic Resistance	Ampicillin
Length	7740 bp
Vector Type	Mammalian Expression, Cre/Lox

Product Information

Replication Origin	ori
Copy Number	High Copy
Promoter	CAG
Cloning Method	Restriction Enzyme
5' Primer	pCAG-F
Growth Strain(s)	DH10B
Comment	pCAG-ERT2CreERT2 is a conditional Cre recombinase expression plasmid carrying the CAG strong promoter. Its Cre enzyme is fused to a double-copy ERT2 and requires tamoxifen/4-OHT activation for spatiotemporal-specific gene recombination.

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 ℃.