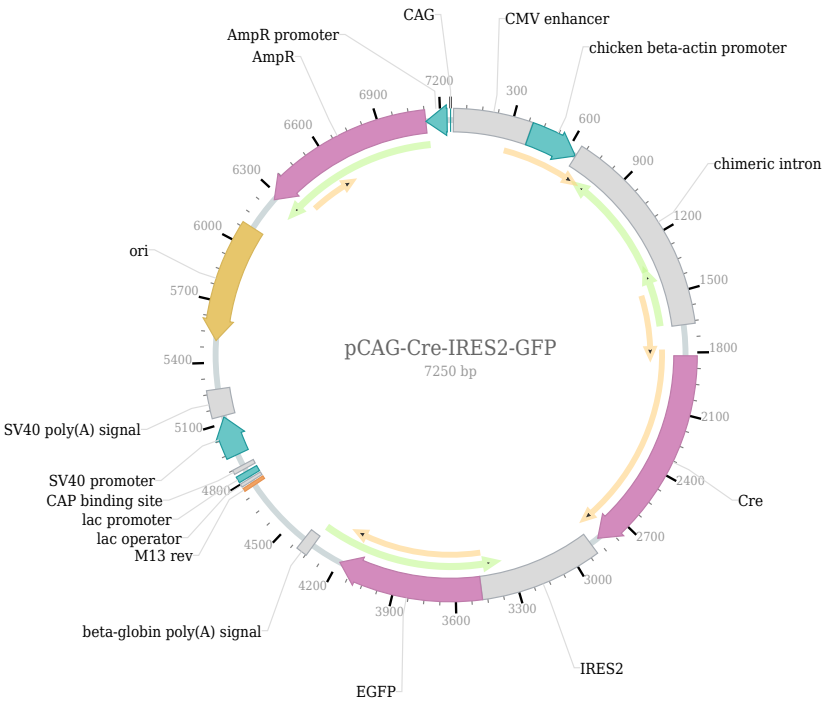
pCAG-Cre-IRES2-GFP

Vector ID	V006586
Antibiotic Resistance	Ampicillin
Length	7250 bp
Vector Type	Cre/Lox system, mammalian expression vectors

Product Information

Replication Origin	ori
Selection Marker	EGFP
Promoter	CAG
Growth Strain(s)	DH10B
Comment	pCAG-Cre-IRES2-GFP is a mammalian Cre/Lox expression plasmid. Its CAG promoter drives a single transcript where IRES2 links nls-Cre and EGFP, enabling nuclear Cre recombinase expression for LoxP-site recombination while EGFP reports transduction efficiency.

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 ℃.