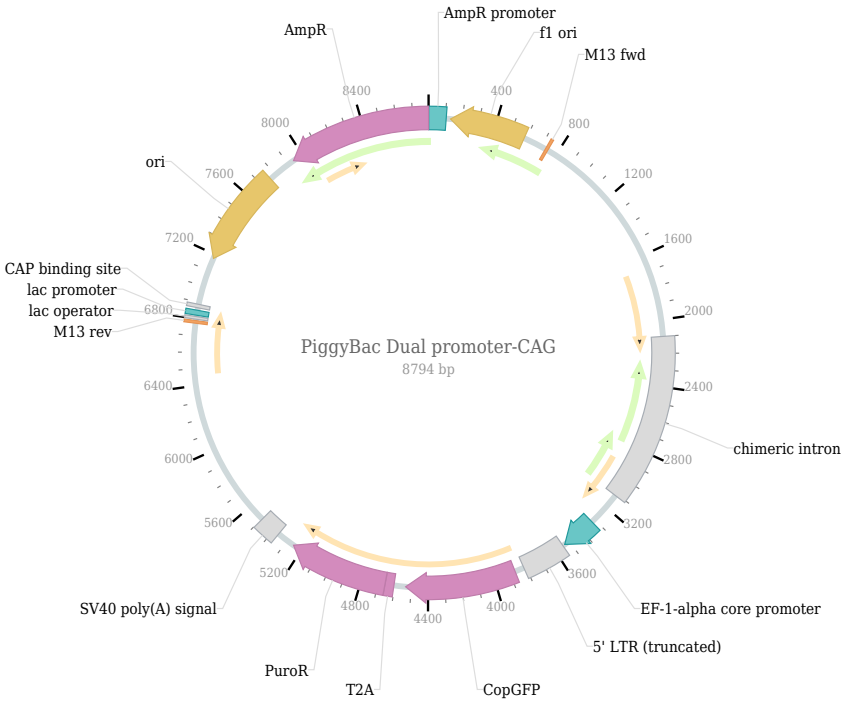
PiggyBac Dual promoter-CAG

Vector ID	V013213
Accession ID	PB513B-1-CAG
Antibiotic Resistance	Ampicillin
Length	8794 bp
Vector Type	Protein expression, Transposition
Host	Mammalian cells

Product Information

Replication Origin	ori
Selection Marker	Puro
Promoter	CAG
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	PiggyBac Dual promoter-CAG is an 8794-bp transposon donor vector derived from System Biosciences' PB513B-1, with the CAG promoter (Niwa et al., 1991) replacing CMV upstream of the MCS, plus EF1α-driven CopGFP-T2A-Puro (GreenPuro) selection. Co-transfected with hyperactive piggyBac transposase (Yusa et al., 2011), cargo integrates precisely at genomic TTAA sites.

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 ℃.