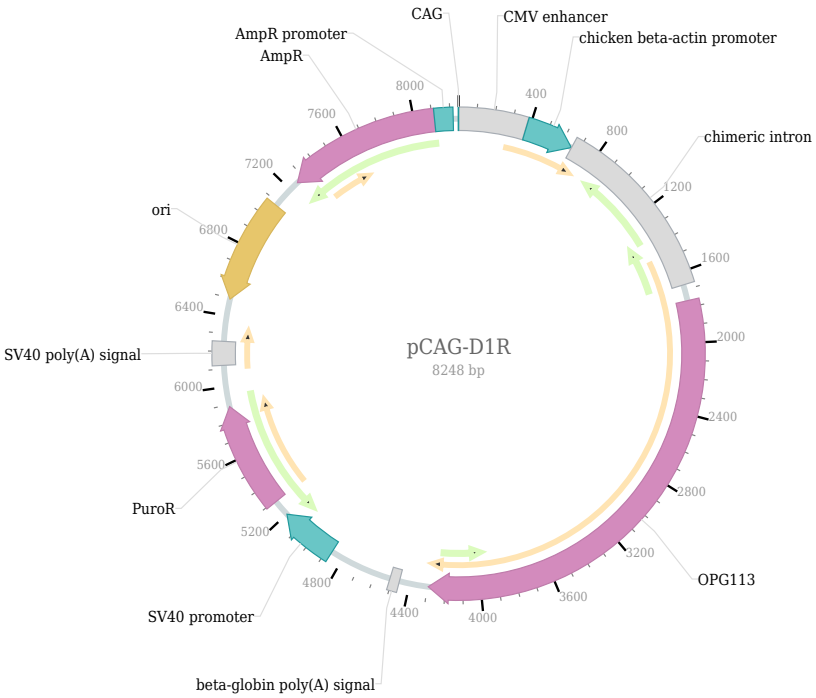
pCAG-D1R

Vector ID	V013468
Antibiotic Resistance	Ampicillin
Length	8248 bp
Vector Type	Protein expression
Host	Mammalian cells

Product Information

Replication Origin	ori
Selection Marker	Puro
Promoter	CAG
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Comment	pCAG-D1R (8.2 kb) is a mammalian expression vector. It uses the CAG hybrid promoter (CMV enhancer + chicken β-actin promoter + chimeric intron) to drive expression of the D1R (dopamine receptor D1) gene. The vector also contains an SV40 promoter driving PuroR (puromycin resistance) for stable selection, plus SV40 poly(A) and β-globin poly(A) signals, AmpR, and a pUC origin.

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 ℃.