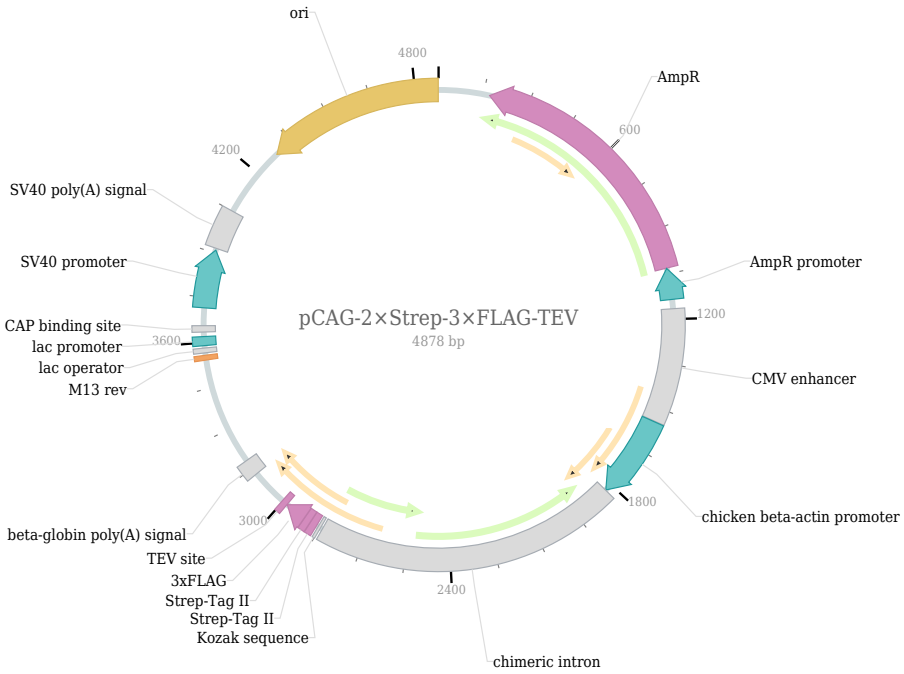
pCAG-2×Strep-3×FLAG-TEV

Vector ID	V014305
Antibiotic Resistance	Ampicillin
Length	4878 bp
Vector Type	Protein expression
Host	Mammalian cells

Product Information

Replication Origin	ori
Promoter	CAG
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pCAG-2×Strep-3×FLAG-TEV is a mammalian expression vector with an N-terminal triple-tag system for affinity purification and detection. The CAG promoter (CMV enhancer + chicken β-actin promoter + chimeric intron) drives high-level expression of fusion proteins bearing tandem 2×Strep-Tag II, 3×FLAG, and a TEV protease cleavage site. The vector also includes AmpR for bacterial selection, a pUC ori (high-copy), SV40 promoter/poly(A), beta-globin poly(A), lac promoter/operator/CAP site, and M13 rev priming site.

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 ℃.