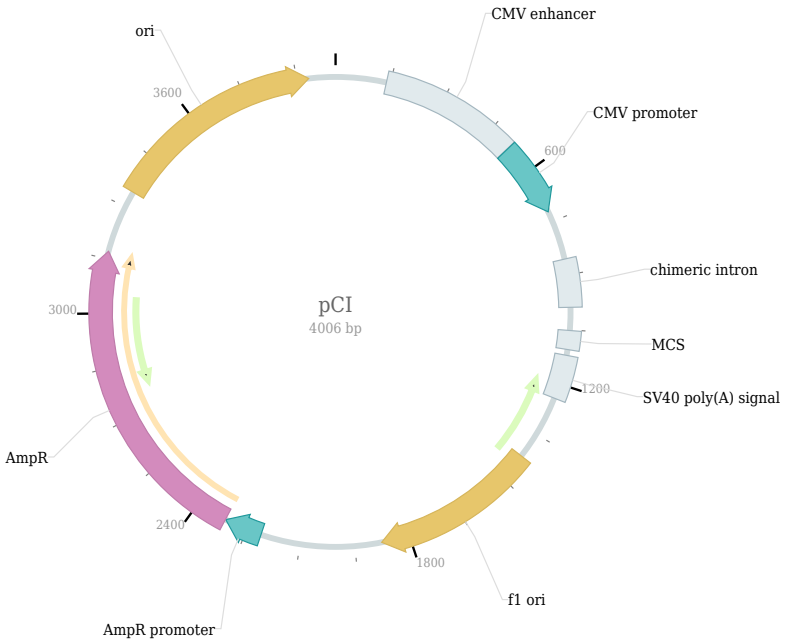
pCI

Vector ID	V011274
Antibiotic Resistance	Ampicillin
Length	4006 bp
Vector Type	Mammalian Expression Vectors

Product Information

Replication Origin	ori
Source/Author	Promega
Copy Number	High copy number
Promoter	CMV
Comment	The pCI Mammalian Expression Vector enables constitutive expression of cloned DNA inserts in mammalian cells. Its key difference from the pSI Vector lies in the enhancer/promoter region regulating inserted gene expression: pCI contains the human cytomegalovirus (CMV) major immediate-early enhancer/promoter, plus a β-globin/IgG chimeric intron downstream to boost expression. Its late SV40 polyadenylation signal increases mRNA steady-state levels ~5-fold more than the early SV40 signal. Suitable for both transient and stable expression, pCI requires co-transfection with a selectable gene-containing vector for stable expression.

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 ℃.