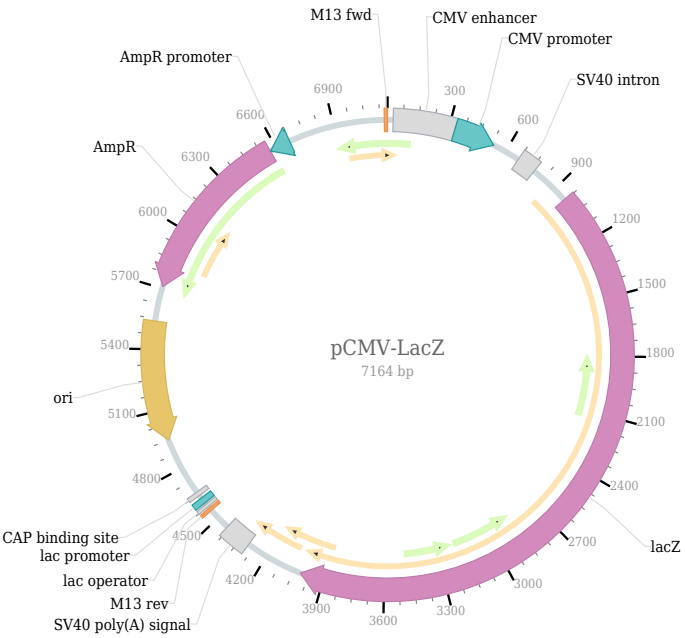
pCMV-LacZ

Vector ID	V018112
Antibiotic Resistance	Ampicillin
Length	7164 bp
Vector Type	Mammalian Expression Vectors

Product Information

Copy Number	High copy number
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	The plasmid pCMV-LacZ is designed for high-level constitutive expression of E. coli β-galactosidase in mammalian cells, driven by the CMV promoter. It serves as a positive control in transfection experiments to monitor eukaryotic expression efficiency. Common aliases include pCMVβ, pCMVbeta, and pCMV-beta.

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 ℃.