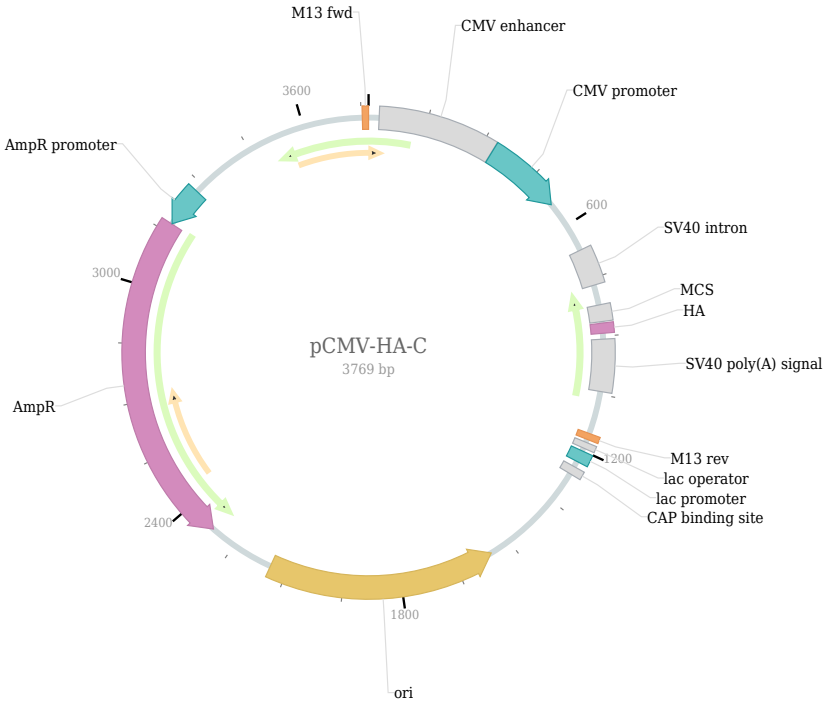
pCMV-HA-C

Vector ID	V011251
Antibiotic Resistance	Ampicillin
Length	3769 bp
Vector Type	Mammalian Expression Vectors

Product Information

Replication Origin	ori
Source/Author	Clontech
Copy Number	High copy number
5' Primer	M13 fwd
3' Primer	M13 rev
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pCMV-HA-C is a mammalian expression plasmid vector designed for high-level expression of C-terminal HA-tagged proteins in mammalian cells. It utilizes the strong human cytomegalovirus (CMV) immediate early promoter to drive expression and contains a hemagglutinin (HA) epitope tag for easy detection and purification of the fusion protein using anti-HA antibodies. The vector includes an ampicillin resistance gene for selection in E. coli and features elements like an SV40 polyadenylation signal for efficient transcript processing. Its backbone is approximately 3,769 bp in size and is commonly used for protein interaction studies and subcellular localization analysis.

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 ℃.