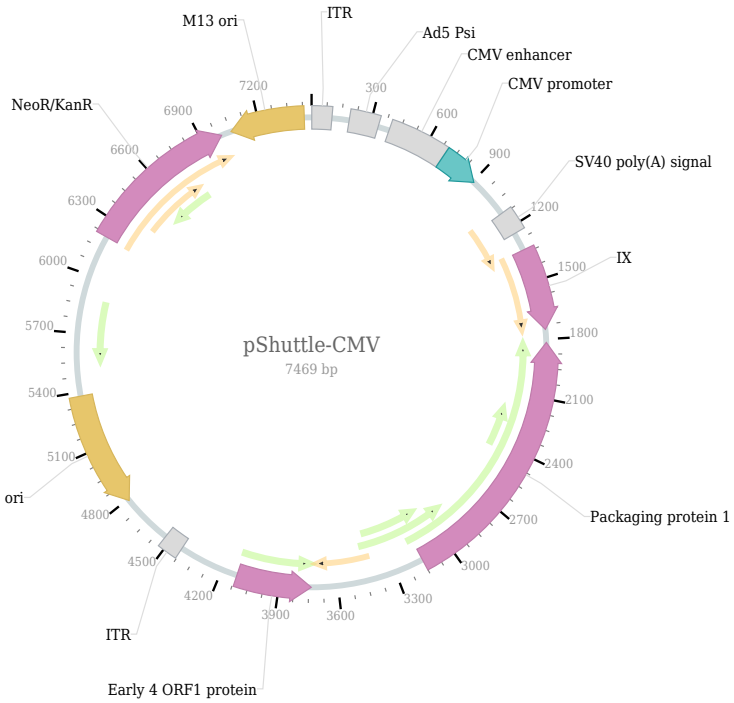
pShuttle-CMV

Vector ID	V012203
Antibiotic Resistance	Kanamycin
Length	7469 bp
Vector Type	Adenovirus Systems

Product Information

Replication Origin	ori
Copy Number	Low copy number
Promoter	CMV
Cloning Method	Enzyme digestion and ligation
5' Primer	pShuttle-CMV-F: GGTCTATATAAGCAGAGCTG
3' Primer	pShuttle-CMV-R: GTGGTATGGCTGATTATGATCAG
Comment	The vector pShuttle-CMV contains a multiple cloning site sandwiched between the CMV promoter and the SV40 polyadenylation signal and is suitable for insertion of a large cDNA (up to 6.6 kb). pShuttle contains only a multiple cloning site. This allows for the insertion of an entire expression cassette, including specialized promoters and termination signals (up to 7.5 kb). The regions indicated as arms are the stretches of sequence homology with pAdEasy-1 where the homologous recombination occurs. The R-ITR and L-ITR regions are short inverted terminal repeats (Left and Right) which have a role in replication of the viral DNA.

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 ℃.