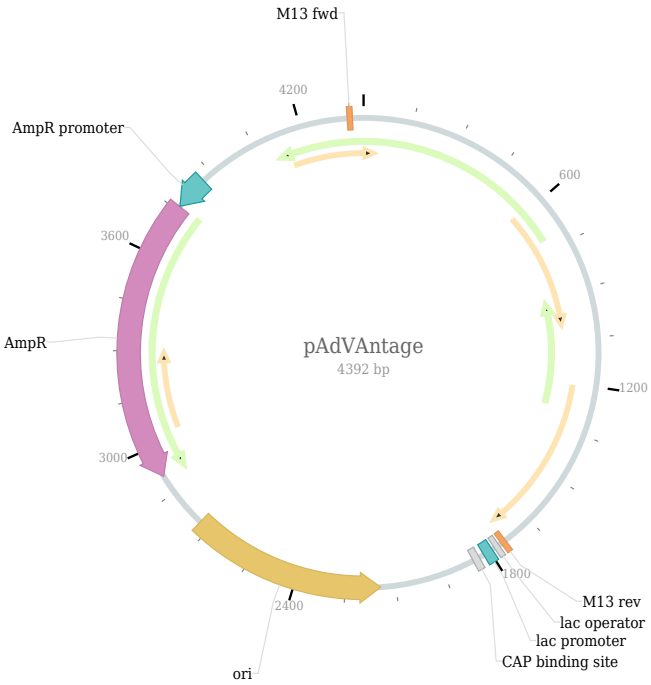
pAdVAntage

Vector ID	V000805
Antibiotic Resistance	Ampicillin
Length	4392 bp
Vector Type	Mammalian Expression Assist Vectors

Product Information

Replication Origin	ori
Growth Strain(s)	DH10B
Comment	pAdVAntage is a vector carrying the adenovirus type 2 VAI and VAII RNA genes, transcribed by RNA polymerase III. Co-transfection enhances transient protein expression by up to tenfold in mammalian cells: VAI RNA binds the double-stranded RNA-activated inhibitor (PKR/DAI), preventing eIF-2α phosphorylation and restoring translation blocked by transfection-induced dsRNA.

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 ℃.