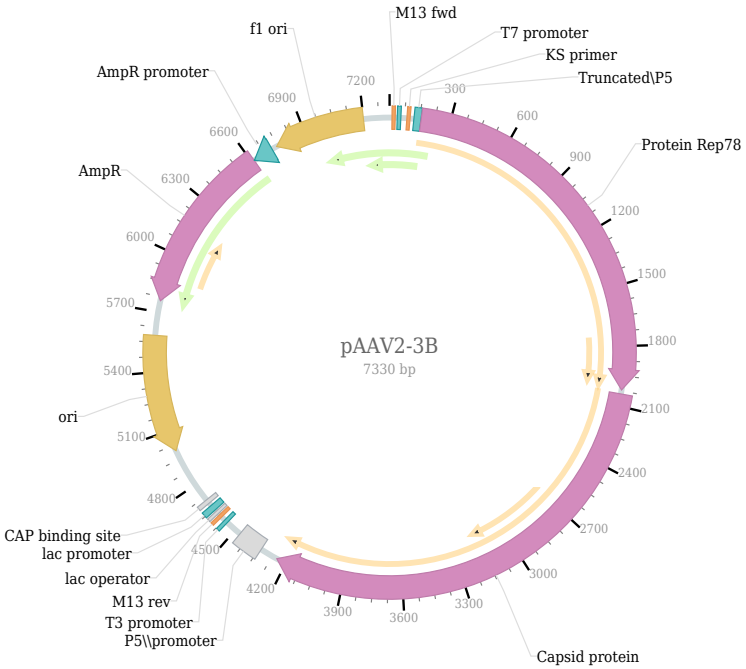
pAAV2-3B

Vector ID	V047686
Antibiotic Resistance	Ampicillin
Length	7330 bp
Vector Type	Viral Expression & Packaging Vectors
Host	Mammalian cells

Product Information

Replication Origin	ori
Copy Number	High copy number
Promoter	Truncated P5
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	The pAAV2-3B vector (7330 bp) is an Adeno-Associated Virus (AAV) packaging construct designed for generating recombinant viral vectors. It contains the essential AAV components: the rep78 gene (driven by a T7 promoter) for viral replication and a gene encoding the viral shell assembly protein. For regulated gene insertion, it features the P5 promoter alongside a lac operator and CAP binding site, enabling inducible expression. The vector is equipped with an ori for bacterial replication, the Capsid prorep78 gene (driven by a T7 promoter) for viral replication, and the capsid protein and an AmpR gene for antibiotic selection in E. coli. Standard elements like T7/T3 promoters and M13 primers are included for molecular cloning, while the f1 ori allows for single-stranded DNA rescue.

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 ℃.