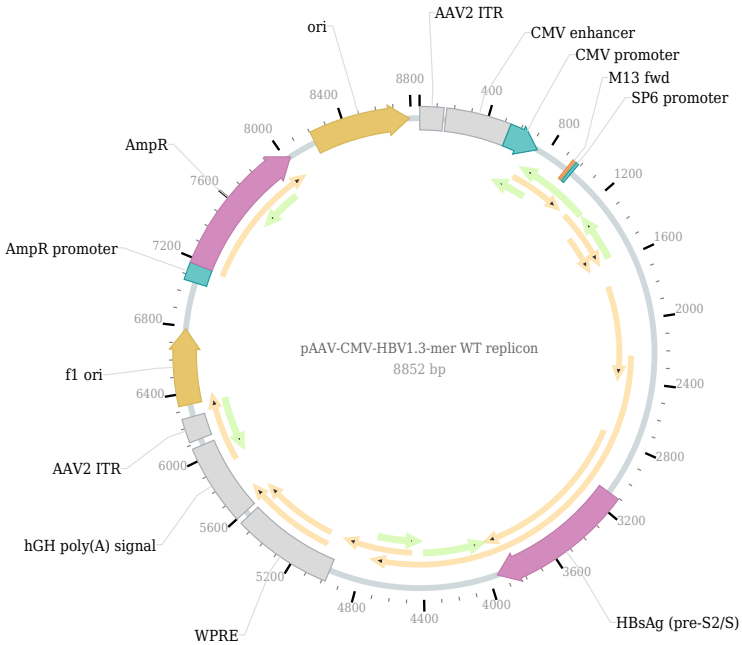
pAAV-CMV-HBV1.3-mer WT replicon

Vector ID	V038507
Antibiotic Resistance	Ampicillin
Length	8852 bp
Vector Type	Protein expression
Host	Mammalian cells, Adeno-associated virus

Product Information

Replication Origin	ori
Copy Number	High
Promoter	CMV
5' Primer	CMV-F
Growth Strain(s)	DH10B
Growth Temperature	37℃
Expression Method	Transient
Comment	This is an 8852 bp AAV-based vector, pAAV-CMV-HBV1.3-mer WT replicon. It is designed to express the HBV (Hepatitis B Virus) genome, featuring the HBSAg (pre-S2/S) gene under a strong CMV promoter. The vector includes AAV2 ITRs for packaging into viral particles, a WPRE element to enhance mRNA stability, and a bGH poly(A) signal.

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 ℃.