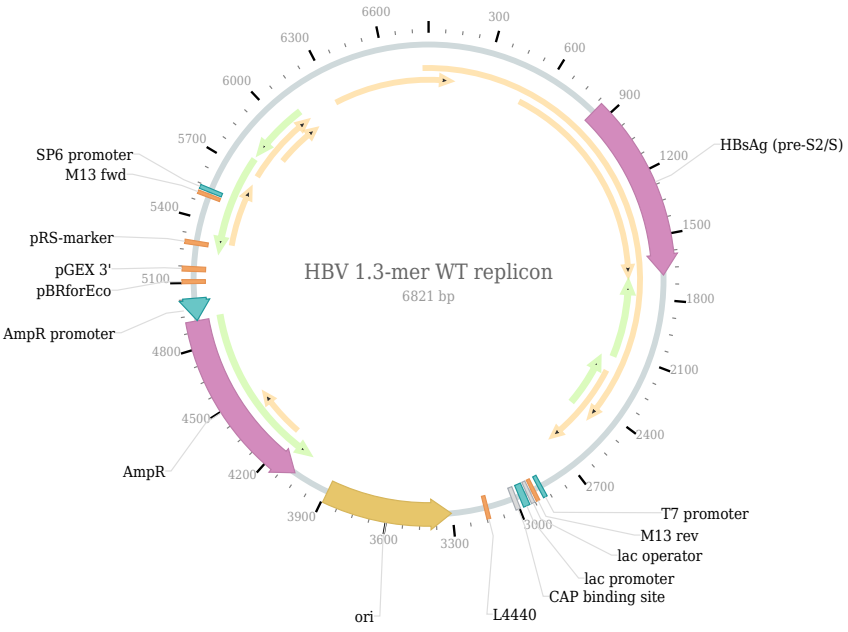
HBV 1.3-mer WT replicon

Vector ID	V009181
Antibiotic Resistance	Ampicillin
Length	6821 bp
Vector Type	Mammalian Expression

Product Information

Replication Origin	ori
Copy Number	High copy number
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	The HBV 1.3-mer WT replicon is a 6.8 kb plasmid, designed for studying hepatitis B virus replication. It contains a greater-than-unit-length (1.3x) wild-type HBV genome, enabling autonomous viral replication and gene expression in transfected cells. The plasmid includes an ampicillin resistance gene (AmpR) for bacterial selection and a high-copy-number ColE1 origin for propagation in E. coli. It is widely used in vitro to investigate HBV replication mechanisms, viral pathogenesis, and the effects of antiviral compounds.

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 ℃.