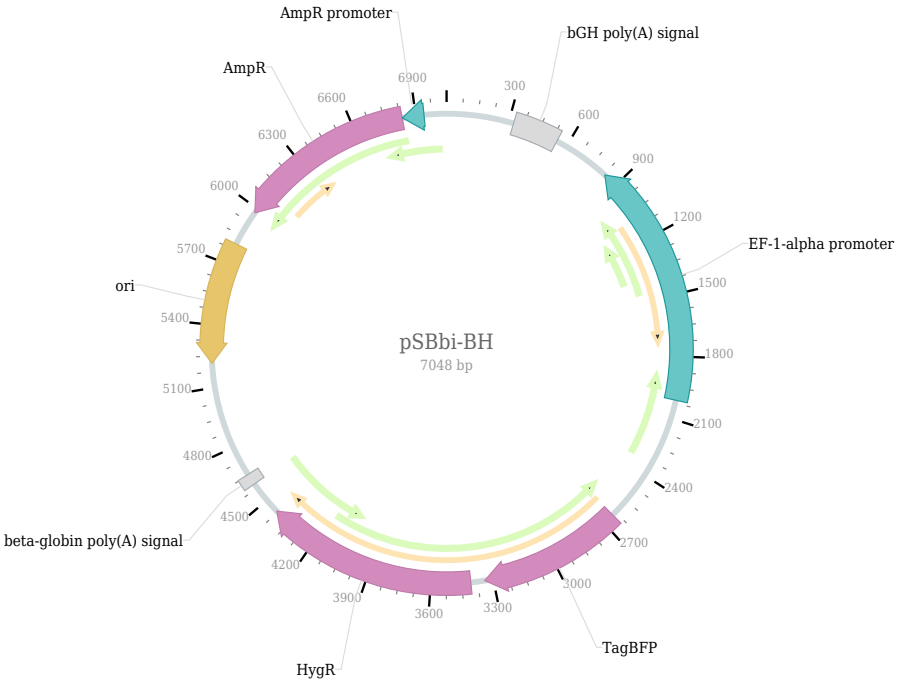
pSBbi-BH

Vector ID	V017203
Antibiotic Resistance	Ampicillin
Length	7048 bp
Vector Type	Protein expression, Transposition
Host	Mammalian cells

Product Information

Replication Origin	ori
Selection Marker	Hyg
Promoter	EF-1α
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	The pSBbi-BH plasmid uses the Sleeping Beauty transposon system to stably express ACE2/TMPRSS2 in A549 cells, creating a SARS-CoV-2 infection model. Its bidirectional promoter drives the reporter gene (BFP) and hygromycin resistance gene, supporting high-throughput drug screening and host factor identification, and serving as a key tool for studying COVID-19 replication.

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 ℃.