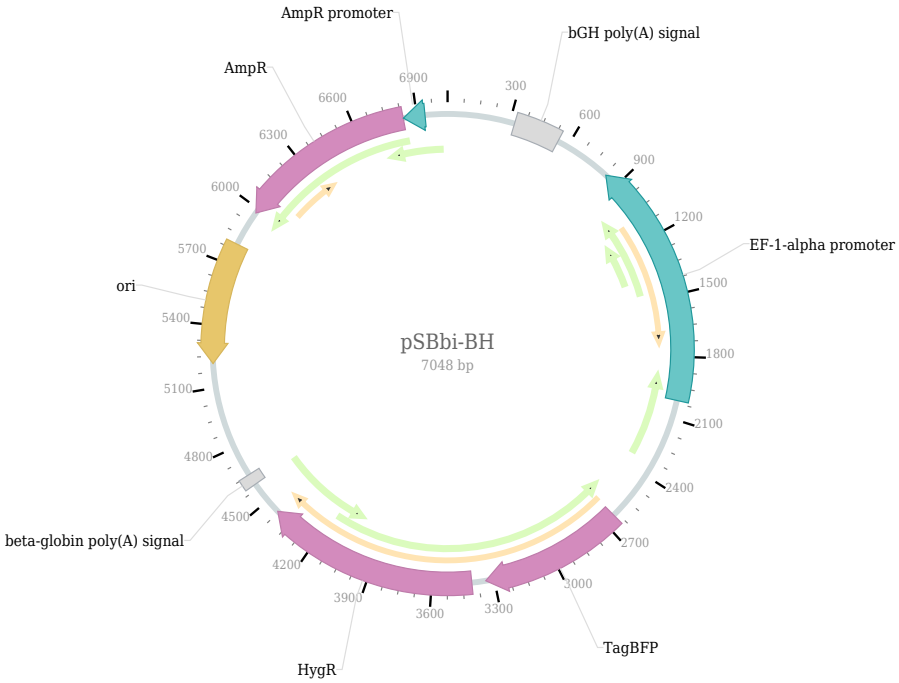
pSBbi-BH

载体编号 Vector ID	V017203
抗性 Antibiotic Resistance	Ampicillin
长度 Length	7048 bp
载体类型 Vector Type	Protein expression, Transposition
宿主 Host	Mammalian cells

产品信息

复制子 Replication Origin	ori
筛选标记 Selection Marker	Hyg
启动子 Promoter	EF-1α
培养菌株 Growth Strain(s)	DH10B
培养温度 Growth Temperature	37℃
备注 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.

质粒图谱



复溶方法

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 ℃.