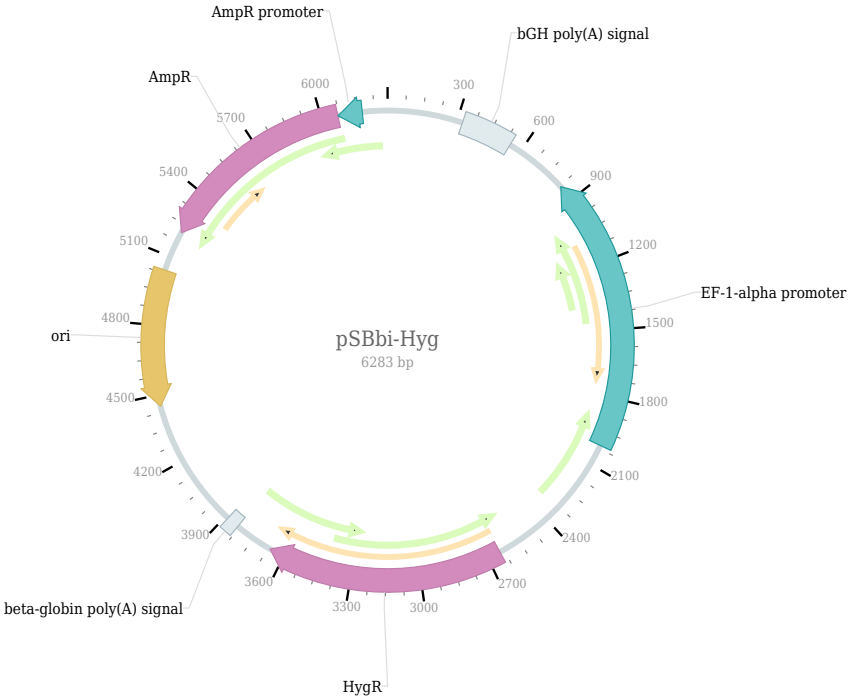
pSBbi-Hyg

Vector ID	V014871
Antibiotic Resistance	Ampicillin
Length	6283 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	pSBbi-Hyg is an SB transposon vector that provides a hygromycin resistance selection marker for constructing CRISPRi systems. It enables stable co-expression of dCas9-KRAB-MeCP2 with sgRNA, achieving efficient silencing of target genes.

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 ℃.