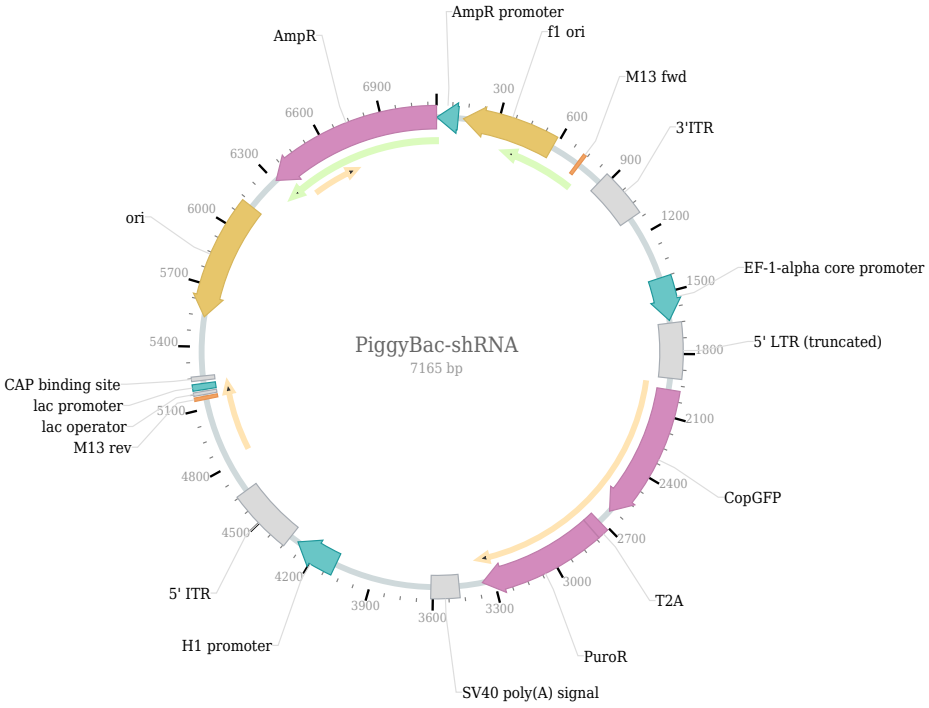
PiggyBac-shRNA

载体编号 Vector ID	V017722
抗性 Antibiotic Resistance	Ampicillin
长度 Length	7165 bp
载体类型 Vector Type	RNAi, Transposition
宿主 Host	Mammalian cells

产品信息

复制子 Replication Origin	ori
筛选标记 Selection Marker	Puro
启动子 Promoter	EF1a
3' 引物 3' Primer	EF1a-R
培养菌株 Growth Strain(s)	Stbl3
培养温度 Growth Temperature	37℃
备注 Comment	PiggyBac-shRNA is a transposon-based mammalian vector for stable, long-term gene knockdown. An shRNA cassette driven by a U6 or H1 promoter is flanked by piggyBac inverted terminal repeats; co-delivery of transposase excises the cassette and integrates it at genomic TTAA sites by a cut-and-paste mechanism. Because genomic integration is permanent, knockdown is heritable and does not require viral handling; re-expression of transposase permits footprint-free excision when transient silencing or clone rescue is needed.

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 ℃.