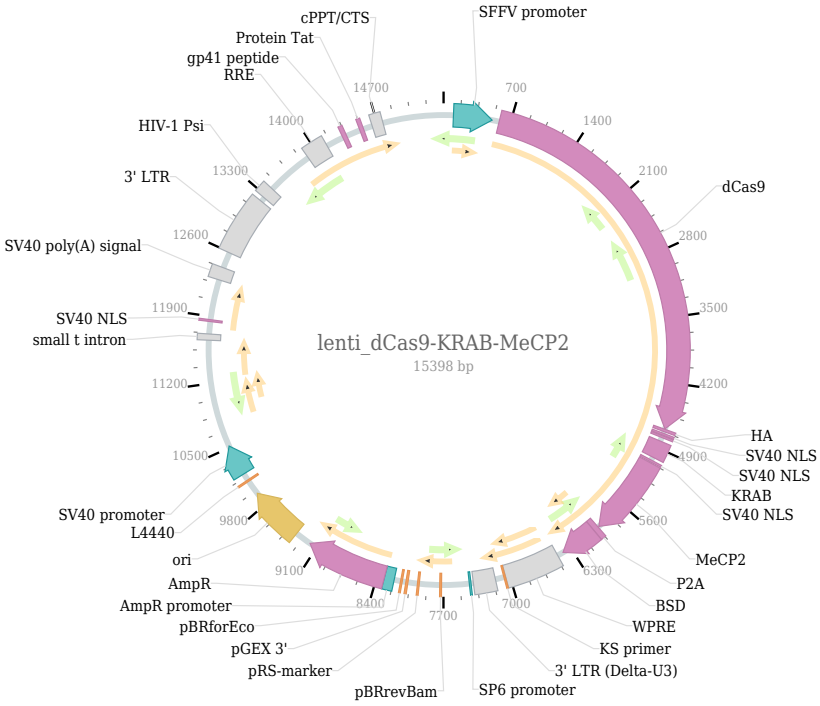
lenti_dCas9-KRAB-MeCP2

载体编号 Vector ID	V005494
抗性 Antibiotic Resistance	Ampicillin
长度 Length	15398 bp
载体类型 Vector Type	Mammalian Expression, Lentiviral

产品信息

复制子 Replication Origin	ori
来源 Source/Author	Xiangtian Tan
筛选标记 Selection Marker	Blasticidin
拷贝数 Copy Number	High copy number
启动子 Promoter	SFFV
克隆方法 Cloning Method	Restriction Enzyme
5' 引物 5' Primer	AACGGCAGCAGCGGATC
3' 引物 3' Primer	CGACCTGCAGGCATGCAA
培养菌株 Growth Strain(s)	DH10B
培养温度 Growth Temperature	37℃
备注 Comment	Bipartite dCas9 repressor (dCas9-KRAB-MeCP2) in a UCOE-SFFV-dCas9 lentiviral vector. The plasmid vector lenti_dCas9-KRAB-MeCP2 is a lentiviral tool designed for targeted gene repression. It utilizes a catalytically inactive dCas9 fused to two repressor domains, KRAB and MeCP2, to synergistically silence specific genes guided by a designed RNA.

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 ℃.