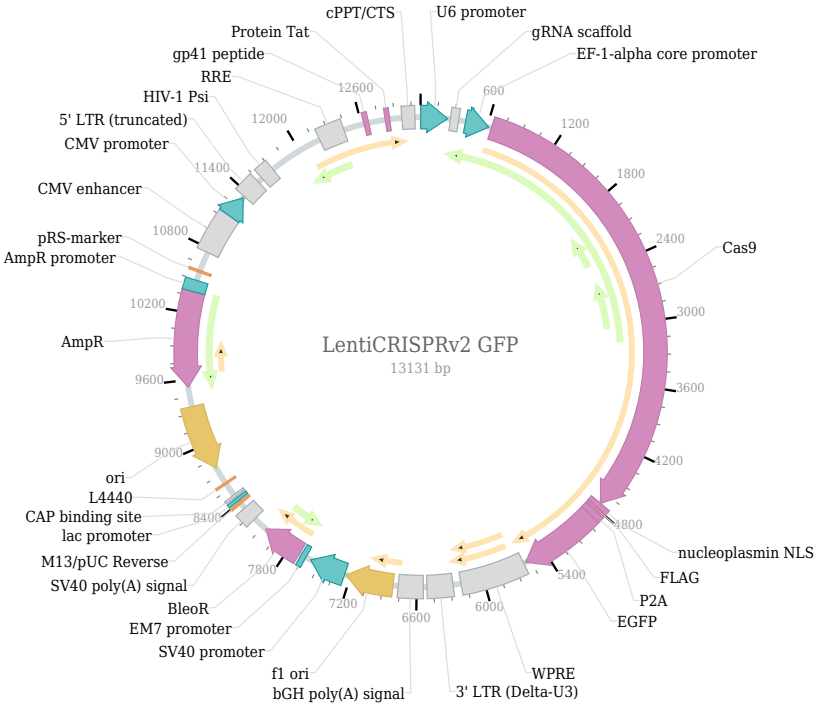
LentiCRISPRv2 GFP

载体编号 Vector ID	V000763
抗性 Antibiotic Resistance	Ampicillin
长度 Length	13131 bp
载体类型 Vector Type	Lentiviral, CRISPR

产品信息

复制子 Replication Origin	ori
启动子 Promoter	SV40
克隆方法 Cloning Method	Gibson Cloning
5' 引物 5' Primer	ATGGTGTCTAAGGGCGAAGA
培养菌株 Growth Strain(s)	Stbl3
备注 Comment	The LentiCRISPRv2 GFP vector (13131 bp) is a lentiviral construct designed for CRISPR-Cas9 genome editing. It co-expresses the SpCas9nuclease and a gRNA from a single transcript, with the gRNA scaffold located downstream of the EF-1-alpha core promoter and the U6 promoter driving gRNA expression. The Cas9 protein is tagged with FLAG and includes a nucleoplasmin NLS for efficient nuclear import, and is linked to EGFP via a P2A self-cleaving peptide for bicistronic expression.

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 ℃.