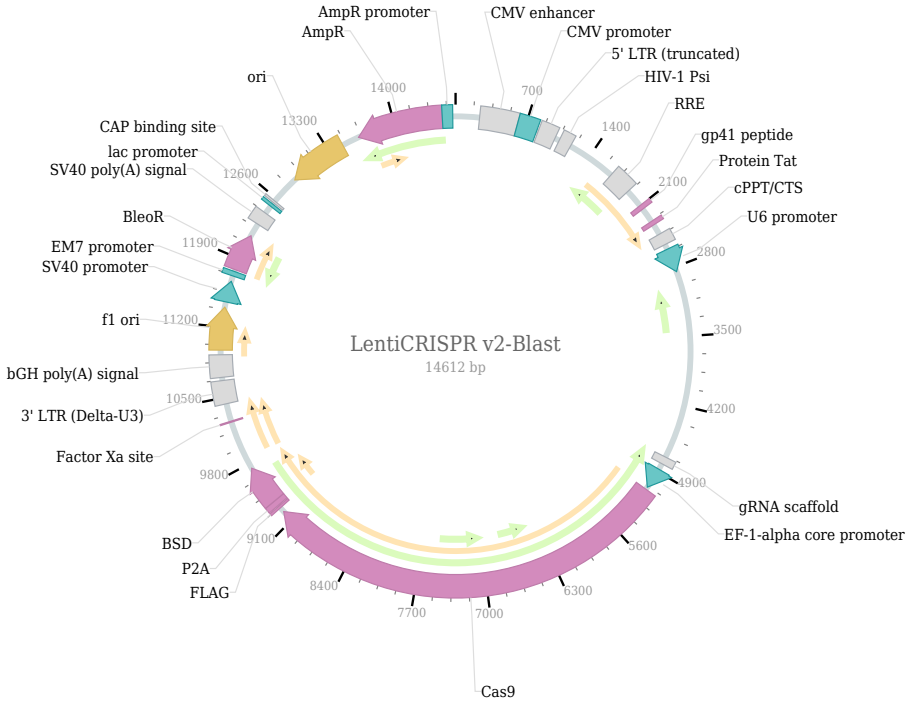
LentiCRISPR v2-Blast

载体编号 Vector ID	V016982
抗性 Antibiotic Resistance	Ampicillin
长度 Length	14612 bp
载体类型 Vector Type	Gene knockout
宿主 Host	Mammalian cells, Lentivirus

产品信息

复制子 Replication Origin	ori
筛选标记 Selection Marker	Blast
启动子 Promoter	SV40
培养菌株 Growth Strain(s)	Stbl3
培养温度 Growth Temperature	37℃
备注 Comment	The LentiCRISPR v2-Blast plasmid is a lentiviral vector designed for CRISPR/Cas9-mediated gene knockout in mammalian cells. It expresses the Cas9 nuclease and a customizable single-guide RNA (sgRNA) from different promoters. A key feature is the blasticidin resistance gene, which replaces the original puromycin marker, allowing for selection of transduced cells using blasticidin. In bacteria, the plasmid is selected with ampicillin. Its all-in-one design facilitates efficient delivery and stable expression of CRISPR components for gene editing applications.

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 ℃.