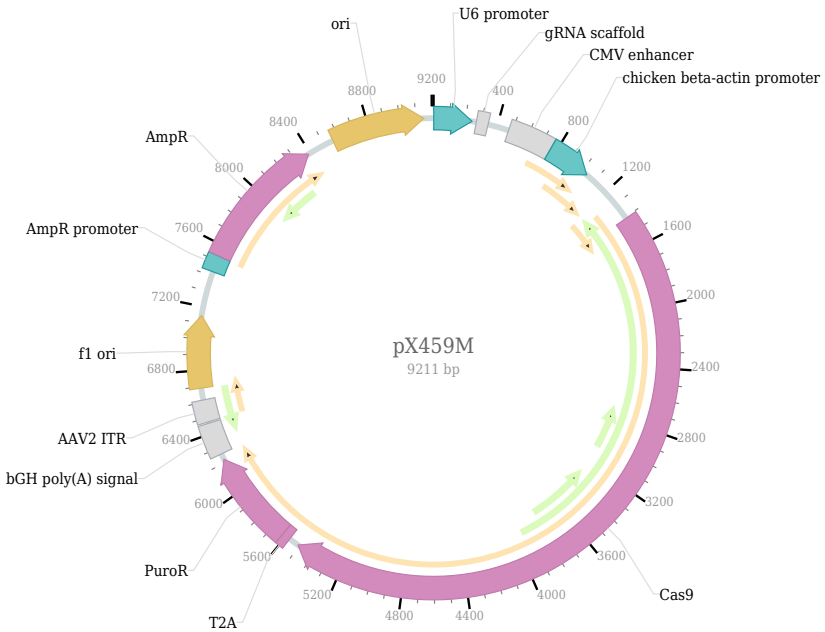
pX459M

载体编号 Vector ID	V013299
抗性 Antibiotic Resistance	Ampicillin
长度 Length	9211 bp
载体类型 Vector Type	Gene knockout
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	CBh
培养菌株 Growth Strain(s)	Stbl3
培养温度 Growth Temperature	37℃
备注 Comment	pX459M is a CRISPR/Cas9 system plasmid vector used for gene editing in mammalian cells. It was engineered based on the pX459 vector developed by the Feng Zhang lab and is primarily used to achieve targeted gene knockout in eukaryotic cells. Besides Cas9 and a guide RNA insertion site, pX459M also introduces a second guide RNA insertion site. In addition, pX458M carries an EGFP fluorescent marker; pX459M carries a puromycin resistance screening marker.

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 ℃.