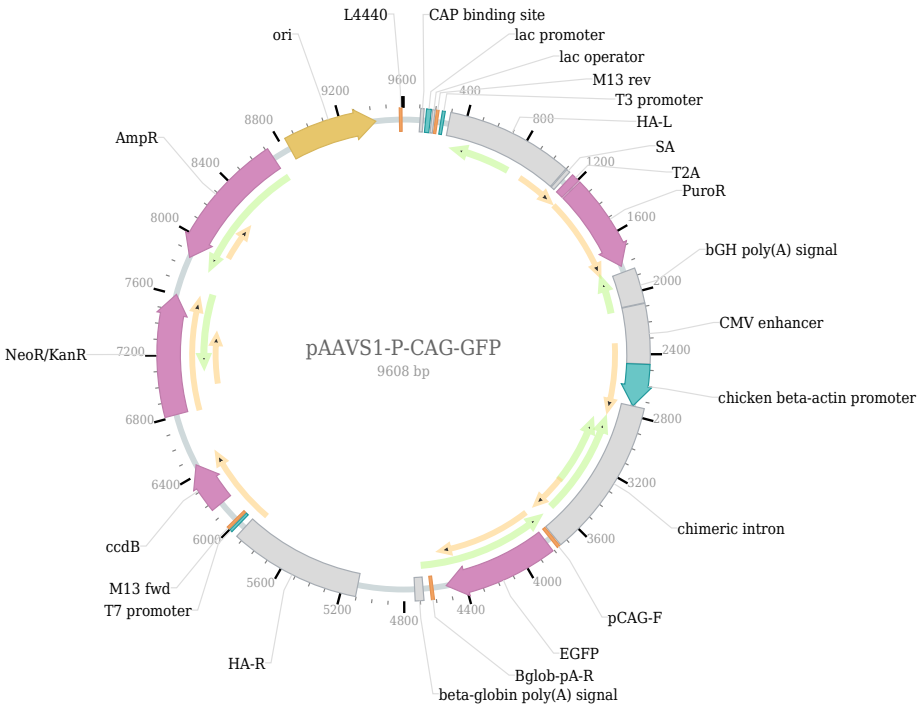
pAAVS1-P-CAG-GFP

载体编号 Vector ID	V012093
抗性 Antibiotic Resistance	Ampicillin, Kanamycin
长度 Length	9608 bp
载体类型 Vector Type	Mammalian Expression ; donor vector (human)

产品信息

复制子 Replication Origin	ori
筛选标记 Selection Marker	Puromycin
拷贝数 Copy Number	High Copy
启动子 Promoter	chicken β-actin
克隆方法 Cloning Method	Restriction Enzyme
5' 引物 5' Primer	AGCCTCTGCTAACCATGTTC
3' 引物 3' Primer	ATTAGCCAGAAGTCAGATGC
培养菌株 Growth Strain(s)	DB3.1
备注 Comment	pAAVS1-P-CAG-GFP is an AAVS1-targeting donor vector for human cells, with homology arms for HDR-mediated site-specific integration. It uses a splice-acceptor puromycin marker for positive selection and a strong CAG promoter to drive stable, constitutive GFP expression in pluripotent and differentiated cells. It is widely used as a fluorescent control reporter to verify AAVS1 editing and track iPSC-derived cell fate in developmental and disease modeling assays.

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 ℃.