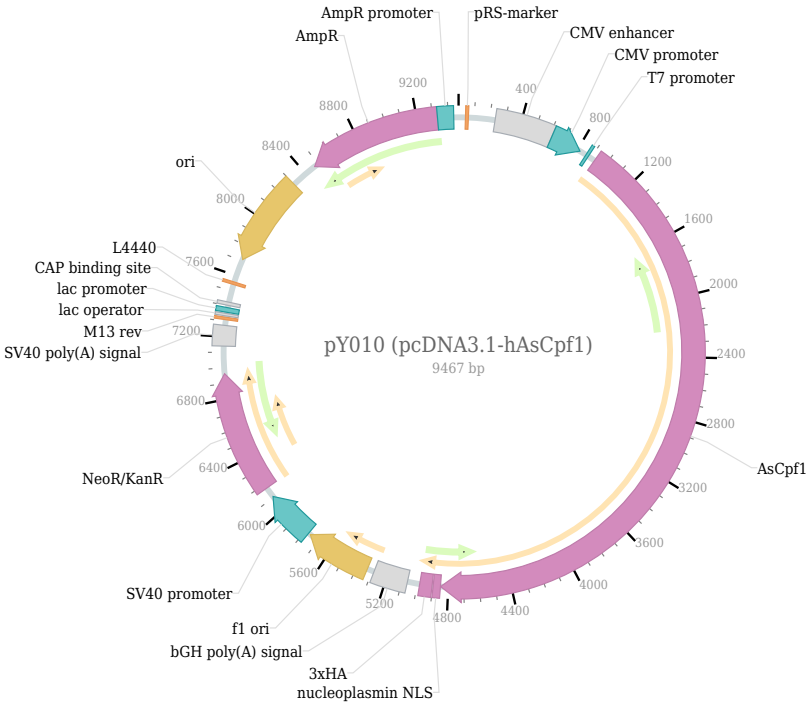
pY010 (pcDNA3.1-hAsCpf1)

载体编号 Vector ID	V007158
抗性 Antibiotic Resistance	Ampicillin
长度 Length	9467 bp
载体类型 Vector Type	Mammalian Expression, CRISPR

产品信息

复制子 Replication Origin	ori
筛选标记 Selection Marker	Neomycin (select with G418)
启动子 Promoter	SV40
克隆方法 Cloning Method	Restriction Enzyme
5' 引物 5' Primer	CMV-F
3' 引物 3' Primer	BGH-rev
培养菌株 Growth Strain(s)	DH10B
备注 Comment	pY010 (pcDNA3.1-hAsCpf1) is a CMV-driven mammalian expression plasmid encoding humanized AsCpf1/AsCas12a with C-terminal NLS-3xHA. With crRNA it recognizes TTTV PAMs and generates staggered dsDNA breaks, enabling CRISPR-Cas12a genome editing in mammalian cells.

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 ℃.