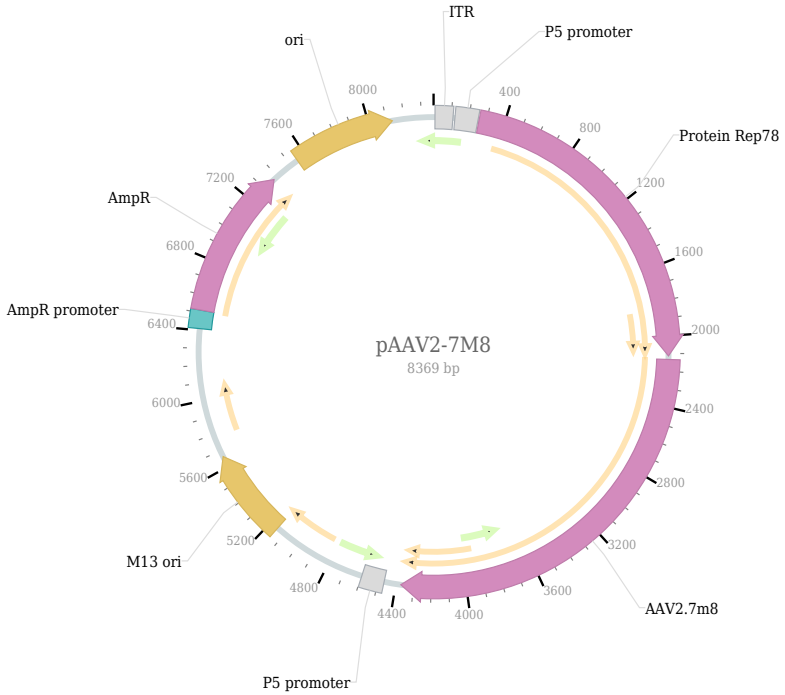
pAAV2-7M8

载体编号 Vector ID	V012820
抗性 Antibiotic Resistance	Ampicillin
长度 Length	8369 bp
载体类型 Vector Type	Viral Expression & Packaging Vectors

产品信息

复制子 Replication Origin	ori
培养菌株 Growth Strain(s)	DH10B
培养温度 Growth Temperature	37℃
备注 Comment	AAV packaging plasmid, expressing Rep2 and 7M8 capsid. 7mer insertion in the AAV2 cap. It engineered variant of the AAV2 serotype, designed for highly efficient retinal transduction following intravitreal injection. Its key advantage is the ability to infect a broad range of retinal cells, including inner retinal neurons and photoreceptors, without the need for a subretinal delivery approach. In the provided study, it was the most effective vector for delivering the anti-VEGF transgene (KH902), demonstrating superior transduction and therapeutic efficacy in mouse models of neovascular eye disease.

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 ℃.