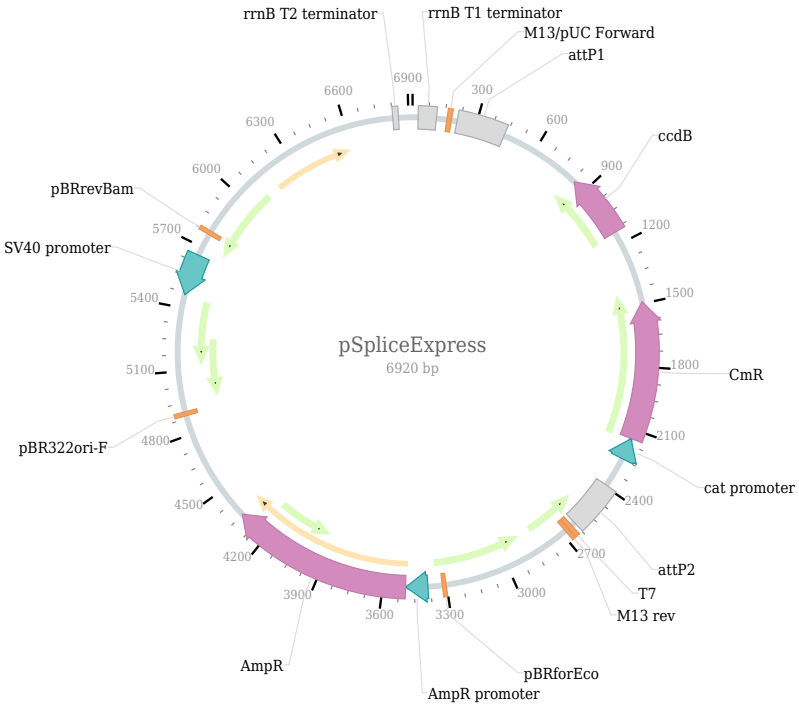
pSpliceExpress

载体编号 Vector ID	V000612
抗性 Antibiotic Resistance	Chloramphenicol, Ampicillin
长度 Length	6920 bp

产品信息

拷贝数 Copy Number	High Copy
启动子 Promoter	SV40
培养菌株 Growth Strain(s)	DB3.1
备注 Comment	pSpliceExpress is a Gateway recombination vector modified from Exontrap for fast splicing reporter minigene construction, bypassing tedious restriction enzyme cloning. It directly recombines attB-tagged PCR fragments via BP reaction and finishes minigene assembly within one week, with ccdB negative selection eliminating empty vector background. This vector carries two constitutive rat insulin exons as internal splicing controls, and its recombination sites do not disturb splice site selection. Minigenes built by pSpliceExpress exhibit identical splicing regulatory patterns as those made by traditional cloning, supporting efficient study of alternative splicing and disease-related splice-disrupting mutations.

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 ℃.