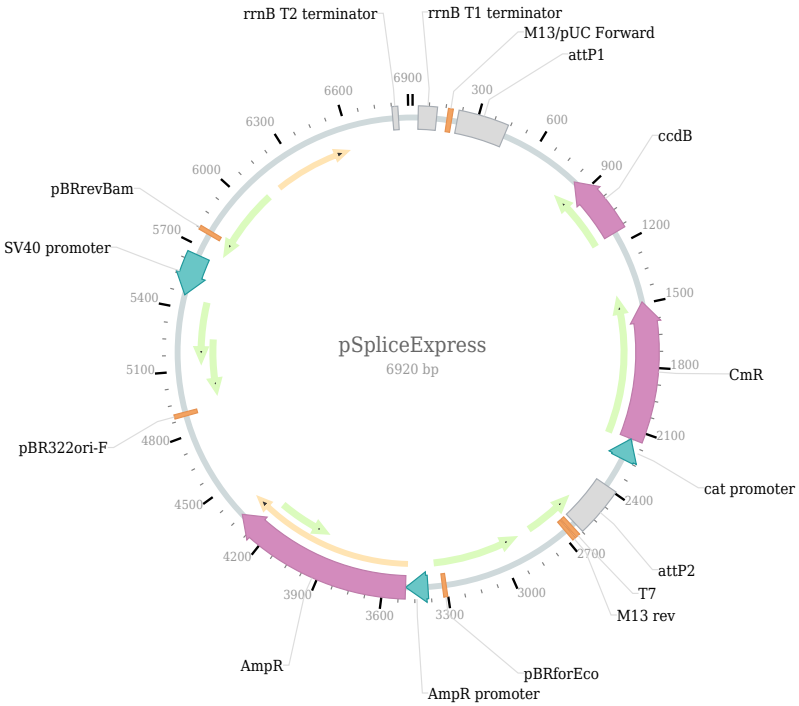
pSpliceExpress

Vector ID	V000612
Antibiotic Resistance	Chloramphenicol, Ampicillin
Length	6920 bp

Product Information

Copy Number	High Copy
Promoter	SV40
Growth Strain(s)	DB3.1
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.

Vector Map



Plasmid Resuspension Protocol

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 ℃.